



1

<110> Xu, Jiangchun
Dillon, Davin C.
Mitcham, Jennifer Lynn

<120> COMPOUNDS FOR IMMUNODIAGNOSIS OF
PROSTATE CANCER AND METHODS FOR THEIR USE

<130> 210121.428C6

<140> US 09/232,880
<141> 1999-01-15

<160> 338

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 814
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(814)
<223> n = A,T,C or G

<400> 1

tttttttttt	ttttcacag	tataacagct	ctttatttct	gtgagttcta	ctaggaaatc	60
atcaaatctg	agggttgtct	ggaggacttc	aatacaccctc	ccccatagt	gaatcagctt	120
ccaggggtc	cagtccctct	ccttacttca	tccccatccc	atgccaagg	aagaccctcc	180
ctccttgct	cacagccttc	tctaggcttc	ccagtgccctc	caggacagag	tgggttatgt	240
tttcagctcc	atccttgctg	ttagtgtctg	gtgcgttgtg	cctccagctt	ctgctcagtg	300
cttcatggac	agtgtccagc	acatgtcact	ctccactctc	tcagtgtgga	tccactagtt	360
ctagagccgc	cgccaccgcg	gtggagctcc	agctttttgtt	cccttttagtg	agggttaatt	420
gcgcgcttgg	cgtaatcatg	gtcataactg	tttcctgtgt	gaaattgtta	tccgctcaca	480
attccacaca	acatacgagc	cggaaycata	aagtgtaaag	cctgggggtgc	ctaattgatgt	540
anctaactca	cattaattgc	gttgcgctca	ctgnccgcctt	tccagtcnng	aaaactgtcg	600
tgccagctgc	attaatgaat	cggccaacgc	ncggggaaaa	gcggtttgcg	ttttgggggc	660
tcttccgcctt	ctcgctcaact	nantcctgcg	ctcggtcnntt	cggctgcggg	gaacggatc	720
actcctcaaa	ggnggtatta	cggttatccn	naaatcnggg	gatacccnng	aaaaaanttt	780
aacaaaaggg	cancaaaggg	cngaaaacgta	aaaa			814

<210> 2
<211> 816
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = A,T,C or G

<400> 2

acagaaaatgt	tggatggtgg	agcacccttc	tatacgactt	acaggacagc	agatggggaa	60
ttcatggctg	ttggagcaat	agaaccccg	ttctacgagc	tgctgatcaa	aggacttgg	120
ctaaagtctg	atgaacttcc	caatcgatg	agcatggatg	attggccaga	aatgaagaag	180
aagtttgcag	atgtatcc	aaagaagacg	aaggcagagt	ggtgtcaa	cttgacggc	240
acagatgcct	gtgtgactcc	ggttctgact	tttgaggagg	ttgttcatca	tgtacacaac	300
aaggaacggg	gctcgtttat	caccagttag	gagcaggacg	tgagcccccg	ccctgcaccc	360
ctgctgttaa	acaccccg	catcccttct	ttcaaaaggg	atccactagt	tctagaagcg	420
gccgccaccg	cggggagct	ccagctttt	ttccctttag	tgagggtaa	ttgcgcgctt	480
ggcgtaatca	ttgtcatagc	tgttcctgt	gtgaaattgt	tatccgctca	caattcccc	540
aacatacgag	ccgaaacata	aagtgttaag	cctgggggc	ctaattgantg	agctaactcn	600
cattaattgc	gttgcgctca	ctgcccgtt	tccagtcggg	aaaactgtcg	tgccactgcn	660
ttantgaatc	ngccaccc	cggaaaagg	cgggtgcnn	ttgggcctct	tccgcttcc	720
tcgctcattt	atcttngcnc	ccggcttc	gctgcggng	acggttca	cctcaaaggc	780
ggtnnccgg	ttatccccaa	acnngggata	ccnnga			816

<210> 3

<211> 773

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(773)

<223> n = A,T,C or G

<400> 3

cttttgaag	aaggatggc	tgggtgttt	aacagcagag	gtgcagggcg	ggggctcacg	60
tcctgctcc	cactgggtat	aaacgagccc	cgttccttgc	tgtgatcatg	atgaacaacc	120
tcctcaaaag	tcagaacccg	agtcacacag	gcatctgtgc	cgtcaaagat	ttgacaccac	180
tctgccttc	tcttcttgc	aaatacatct	gcaaacttct	tcttcatttc	tggcaatca	240
tccatgtctca	tctgattggg	aagttcatca	gactttagtc	canntcctt	gatcagcagc	300
tcgtagaact	ggggttctat	tgctccaaca	gccatgaatt	ccccatctgc	tgtcctgtaa	360
gtcgatata	aaggtgctcc	accatccaac	atgttctgtc	ctcgaggggg	ggcccggtac	420
ccaaattcgc	ctatantgag	tcgtattacg	cgcgctca	ggccgtcg	ttacaacgtc	480
gtgactggg	aaaccctggg	cgttaccaac	ttaatcgct	tgcagcacat	cccccttc	540
ccagctggc	gtaatancga	aaaggccgc	accgatcgcc	tttccaacag	ttgcgcaccc	600
aatgggnnaa	atgggacccc	cctgttaccg	cgcattnaac	ccccgcnggg	tttngttgtt	660
accccaacnt	nnaccgctta	cacttgc	gccccttanc	gcccgc	tttcncctt	720
cttcccttcc	tttcncncn	cttcccccg	gggttcccc	cntcaaacc	cna	773

<210> 4

<211> 828

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(828)

<223> n = A,T,C or G

<400> 4

cctcctgagt	cctactgacc	tgtgcttct	ggtgtggagt	ccagggctgc	tagaaaaagg	60
aatggcaga	cacaggtgta	tgccaaatgtt	tctgaaatgg	gtataattc	gtcctctc	120
tcggAACACT	ggctgtctct	gaagacttct	cgctcagtt	cagtggaggac	acacacaaaag	180

acgtgggtga	ccatgttgtt	tgtggggtgc	agagatggga	gggggtggggc	ccacccttggaa	240
agagtggaca	gtgacacacaag	gtggacactc	tctacagatc	actgaggata	agctggagcc	300
acaatgcatg	aggcacacac	acagacaaggaa	tgacnctgtaa	aacatagccc	acgctgtcct	360
gnngggcactg	ggaaggcttan	atnaggccgt	gagcanaaaag	aagggggagga	tccactagtt	420
ctanagcggc	cgccaccgcg	gtgganctcc	anctttgtt	cccttttagtg	agggttaatt	480
gcgcgcgttgg	cntaatcatg	gtcatanctn	tttcctgtgt	gaaattgtta	tccgcgtcaca	540
attccacacaca	acatacgcanc	cggaaacata	aantgtaaac	ctggggtgcc	taatgantga	600
ctaactcaca	ttaattgcgt	tgcgctca	gcccgc	caatcnggaa	acctgtcttgc	660
ccncttgcat	tnatgaatcn	gccaaccccc	ggggaaaagc	gtttgcgttt	tgggcgtct	720
tccgccttcct	cncntcantta	ntccctncnc	tcggcattc	cgctgcngc	aaaccggttc	780
accncctcca	aagggggtat	tccggttcc	ccnaatccgg	ggananc		828

```
<210> 5
<211> 834
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (834)
<223> n = A,T,C or G
```

<400> 5	tttttttttt tttttactga tagatggaat ttatataagct tttcacatgt gatagcacat agtttaatt gcatccaaag tactaacaaa aactctagca atcaagaatg gcagcatgtt attttataac aatcaacacc tgtggcttt aaaattttgtt ttccataaga taatttatac tgaagtaaat ctagccatgc tttttaaaaaa tgcttttaggt cactccaagc ttggcagtt acatttggca taaaacaataa taaaacaatc acaatttaat aaataacaaa tacaacattg taggccataa tcatatacag tataaggaaa aggtggtagt gttagttaag cagttattag aatagaatac ctggccctct atgcaaataat gtcttagacac ttgtatcac tcagccctga cattcagttt tcaaagttagg agacaggttc tacagtatca tttagttagtt tccaaacacat tgaaaaacaag tagaaaatgta tgagggtatt ttatataatg cattacatcc tcaagagtt tcaccaaccc ctcagttata aaaaattttc aagtttatatt agtcatataa ttgggtgtgc ttatattttaa tttagtctaa atggattaag tgaagacaac aatggtcccc taatgtgatt gatattggtc atttttacca gcttctaaat cttaactttc agcttttga actggaacat tgnatnacag tggccanag ttcaacacta ctggacatt acagtgtgct tgattcaaaa tggatattttg taaaatttattt aattttaccc tggggaaaa ataatttggaa atna	60 120 180 240 300 360 420 480 540 600 660 720 780 834
---------	---	---

```
<210> 6
<211> 818
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(818)
<223> n = A.T.C or G
```

```

<400> 6
ttttttttt tttttttttt aagaccctca tcaatagatg gagacataca gaaatagtca 60
aaccacatct aaaaaatgcc agtatcaggc ggcggcttcg aagccaaagt gatgtttgga
tgtaaagtga aataattagtt ggcggatgaa gcagatagtg aggaaagtgg agccaataat 120
gacgtgaagt ccgtggaagc ctgtggctac aaaaaatgtt gagccgtaga tgccgtcgga 180
aatggtaag ggagactcga agtactctga ggctttagg agggtaaaat agagaccagg 240
taaaaattgtatataaaggactgtg cttgaattat ttgggttcgg ttgtttctat ttaqactatq 300
taaaaattgtatataaaggactgtg cttgaattat ttgggttcgg ttgtttctat ttaqactatq 360

```

gtgagctcag	gtgattgata	ctcctgatgc	gagtaatacg	gatgtgttta	ggagtgggac	420
ttctaggga	tttagcgggg	tgtgcctgt	tggggccag	tgccctccta	gttgggggt	480
aggggctagg	ctggagtggt	aaaaggctca	aaaaaatcct	gcgaagaaaa	aaacttctga	540
ggtataataat	aggattatcc	cgtatcgaag	gccttttgg	acagtggtg	tgtgtggcc	600
ttggtatgtg	cttctcgtg	ttacatcgcg	ccatcattgg	tatatggta	gtgtgttggg	660
ttantangc	ctantatgaa	gaactttgg	antggaatta	aatcaatngc	ttggccggaa	720
gtcattanga	nggctnaaaa	ggccctgtta	ngggctctgg	ctnggtttta	cccnacccat	780
ggaatncncc	ccccggacna	ntgnatccct	attcttaa			818

<210> 7
 <211> 817
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(817)
 <223> n = A,T,C or G

<400> 7						
tttttttttt	tttttttttt	tggctctaga	ggggtagag	ggggtgctat	aggtaaata	60
cggggccat	ttcaaagatt	tttagggaa	ttaattctag	gacgatgggt	atgaaactgt	120
ggtttgcctc	acagattca	gagcattgac	cgtgtatac	ccccggtcgt	gtagcggtga	180
aagtggttt	gtttagacgt	ccggaaattt	catctgttt	taagccta	gtggggacag	240
ctctatgagt	caagacgtct	tgtgtatgtaa	ttattatacn	aatggggct	tcaatcgga	300
gtactactcg	attgtcaacg	tcaaggagtc	gcaggtcgcc	tggttctagg	aataatgggg	360
gaagtagtga	ggaatttgaag	attaatccgc	cgtgtcggt	gttctcttag	gttcaatacc	420
attggtgccc	aattgatttg	atggtaaggg	gagggatcg	tgaactcg	tggtatgtaa	480
aggatncctt	ngggatggga	aggcnatnaa	gactangga	ttaatggcg	gcangatatt	540
tcaaacngtc	tctanttcct	gaaacgtctg	aatgttaat	aanaattaan	tttngttatt	600
gaatntnng	gaaaagggt	tacaggacta	gaaacccaaat	angaaaanta	atnntaangg	660
cnnntatcn	aaaggtnata	accnctccta	tnatcccacc	caatngnatt	cccccacncnn	720
acnatttgat	nccccanttc	canaaanggc	cnccccccgg	tgnannccnc	ctttgttcc	780
cttnantgan	ggttattcnc	ccctngcnn	atcancc			817

<210> 8
 <211> 799
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(799)
 <223> n = A,T,C or G

<400> 8						
catttccggg	tttactttct	aaggaaagcc	gagcggaaagc	tgctaacgtg	ggaatcggtg	60
cataaggaga	actttctgct	ggcacgcgt	agggacaagc	gggagagcga	ctccgagcgt	120
ctgaagcgca	cgtcccagaa	ggtggacttg	gcactgaaac	agctgggaca	catccgcgag	180
tacgaacagc	gcctgaaagt	gctggagcgg	gaggtccagc	agttagccg	cgtcctgggg	240
tgggtggccg	angcctganc	cgctctgcct	tgctgcccc	angtggccg	ccacccctg	300
acctgcctgg	gtccaaacac	tgagccctgc	tggcgactt	caagganaac	ccccacangg	360
ggattttgt	cctanantaa	ggctcatctg	ggcctcgccc	cccccacctg	gttggccttg	420
tctttgangt	gagccccatg	tccatctggg	ccactgtcng	gaccacctt	ngggagtg	480
ctccttacaa	ccacannatg	cccggtcct	cccgaaacc	antcccancc	tgngaaggat	540

caagnccctgn atccactnnt nctanaaccg gccnccnccg cngtggacc cncctntgt	600
tcctttcnt tnagggtaa tnncgccttg gccttnccan ngtcctncnc ntttccnnt	660
gttnaaattg ttangcnccc nccnntcccn cncnncnan cccgaccnn anntnnann	720
ncctgggggt nccnncngat tgacccnncc nccctntant tgcnttnggg nncnntgccc	780
cttccctct ngganncg	799
<210> 9	
<211> 801	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(801)	
<223> n = A,T,C or G	
<400> 9	
acgccttgat cctcccaaggc tgggactggc tctgggagga gccgggcatg ctgtggttg	60
taangatgac actcccaaag gtggctctga cagtggccca gatggacatg gggctcacct	120
caaggacaag gccaccaggc gcggggcccg aagccacat gatccttact ctatgagcaa	180
aatcccctgt gggggcttct cttgaagtc cgccancagg gctcagtctt tggaccang	240
caggtcatgg ggttgtngnc caactgggg ccncaacgca aaanggcna gggcctcngn	300
cacccatccc angacgcggc tacactnctg gaccccncn tccaccactt tcatgcgctg	360
ttccttacccg cgnatntgto ccanctgtt cngtgcncac tccancttct nggacgtgctg	420
ctacatacgc cggantcnc nctcccgctt tgccttatac cacgtncan caacaaattt	480
cnccntantg caccnattcc cacnnttncn agntttccnc nncngcttc ttntaaaag	540
ggttganccc cggaaaatnc cccaaagggg gggggccngg tacccaactn cccctnata	600
gctgaantcc ccatnaccnn gnctcnatgg anccntccnt ttaannacn ttctnaactt	660
gggaananc ctcgnccntn cccctntaa tcccnccctg cnangnnct ccccnmtcc	720
ncccnntng gcntntnann cnaaaaaggc ccnnnancaa tctcctnnccn cctcancatcg	780
ccanccctcg aaatcgccn c	801
<210> 10	
<211> 789	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(789)	
<223> n = A,T,C or G	
<400> 10	
cagtctatnt ggcagactgtg gcagctttcc ctgtggctgc cggtgccaca tgcctgtccc	60
acagtgtggc cgtgggtaca gcttcagccg ccctcaccgg gttcaccttc tcagccctgc	120
agatcctgcc ctacacactg gcctccctct accaccggga gaagcagggtg ttccctgccc	180
aataccgagg ggacactggc ggtgctagca gtgaggacag cctgatgacc agttccctgc	240
caggccctaa gcctggagct cccttcccta atggacacgt ggggtctgga ggcagtggcc	300
tgctccacc tccaccccgcg ctctgcgggg cctctgcctg ttagtctcc gtacgtgtgg	360
tggtgggtga gcccaccgan gccagggtgg ttccggccg gggcatctgc ctggaccccg	420
ccatcctggc tagtgcctcc tgctgtccca ngtggcccca tccctgtta tgggctccat	480
tgtccagtc agccagtctg tcactgccta tatgggtctt gccgcaggcc tgggtctgg	540
cccattact ttgctacaca ggtantattt gacaagaacg anttggccaa atactcagcg	600
ttaaaaaatt ccagcaacat tgggggtggc aggccgtctt cactgggtcc aactccccgc	660
tcctgttaac cccatggggc tgccggcttg gccgccaatt tctgttgcgt ccaaantnat	720

gtggctct	gctgccacct	gttgctggct	gaagtgcnta	cngcncanct	nggggggtng	780
ggngttccc						789

<210> 11
 <211> 772
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (772)
 <223> n = A,T,C or G

<400> 11

cccacccctac	ccaaatatta	gacaccaaca	cagaaaagct	agcaatggat	tcccttctac	60
tttgttaat	aaataagtta	aatatttaaa	tgcctgtgtc	tctgtgatgg	caacagaagg	120
accaacaggc	cacatcctga	taaaaggtaa	gaggggggtg	gatcagcaaa	aagacagtgc	180
tgtgggctga	gggacacctgg	ttcttgtgtg	ttgcccctca	ggactcttcc	cctacaata	240
actttcatat	gttcaaatacc	catggaggag	tgtttcatcc	tagaaactcc	catgcaagag	300
ctacattaaa	cgaagctgca	ggttaagggg	cttanagatg	ggaaccagg	tgactgagtt	360
tattcagtc	ccaaaaaccc	ttctctaggt	gtgtctcaac	tagaggcta	gctgttaacc	420
ctgagcctgg	gtaatccacc	tgcagagtcc	ccgcattcca	gtgcatggaa	cccttctggc	480
ctccctgtat	aagtccagac	tgaacccccc	ttggaaggnc	tccagtcagg	cagccctana	540
aactggggaa	aaaagaaaaag	gacgccccan	cccccagctg	tgcanctacg	cacctaaca	600
gcacagggtg	gcagcaaaaa	aaccacttta	cttggcaca	aacaaaaact	ngggggggca	660
accccgccac	cccnangggg	gttaacagga	ancngggnaa	cntgaaaccc	aattnaggca	720
ggcccnccac	ccnaatntt	gctggaaat	tttcctccc	ctaaattttt	tc	772

<210> 12
 <211> 751
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (751)
 <223> n = A,T,C or G

<400> 12

gcccccaattc	cagctgccac	accacccacg	gtgactgcat	tagttcggat	gtcatacaaa	60
agctgattga	agcaaccctc	tacttttgg	tcgtgagcct	tttgcttgg	gcaggttca	120
ttggctgtgt	tggtgacgtt	gtcattgcaa	cagaatgggg	gaaaggcact	gttctcttgc	180
aagtanggtg	agtccctcaaa	atccgtatag	ttggtaagc	cacagcactt	gagcccttcc	240
atggtgggt	tccacacttg	agtgaagtct	tcctggaaac	cataatctt	tttgatggca	300
ggcactacca	gcaacgtcag	ggaagtgctc	agccattgtg	gtgtacacca	aggcgaccac	360
agcagctgcn	acctcagcaa	tgaagatgan	gaggangatg	aagaagaacg	tcncgagggc	420
acacttgc	tcaagtcttan	caccatanca	gcccngaaa	accaananca	aagaccacna	480
cnccggctgc	gatgaagaaa	tnacccncg	ttgacaaact	tgcatggcac	tggganccac	540
agtggccna	aaaatcttca	aaaaggatgc	cccatcnatt	gaccggccaa	atgcccactg	600
ccaacagggg	ctgccccacn	cncnnaacga	tgancnatt	gnacaagatc	tncntggct	660
tnatnaacnt	gaaccctgcn	tntgtggctcc	tgttcaggnc	cnnggcctga	cttctnaann	720
aangaactcn	gaagnccca	cngganann	g			751

<210> 13
 <211> 729

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 13

gagccagcg	tcctctgcc	tgcactca	gtggcaacac	ccgggagctg	ttttgtcctt	60	
tgtggancct	cagcagtnc	ctcttcaga	actcantgcc	aaganccctg	aacaggagcc	120	
accatgcagt	gcttcagctt	cattaagacc	atgatgatcc	tcttcattt	gctcatcttt	180	
ctgtgtgtg	cagccctgtt	ggcagtggtc	atctgggtgt	caatcgatgg	ggcatccctt	240	
ctgaagatct	tcgggcaact	gtcgccagt	gccatgcagt	ttgtcaacgt	gggctacttc	300	
ctcatcgccag	ccggcggtgt	ggtcttagct	ctaggttcc	tgggctgcta	tggtgctaag	360	
actgagagca	agtgtgcct	cgtgacgttc	ttcttcatcc	tcctcctcat	tttcatttgct	420	
gaggttgc	tgctgtggc	gccttgggt	acaccacaat	ggctgagcac	ttcctgacgt	480	
tgctggtaat	gcctgccc	cat	aaaaaaagat	tatgggttcc	caggaanact	tcactcaagt	540
gttggAACAC	caccatgaaa	gggctcaagt	gctgtggctt	cnnccaaacta	tacggatttt	600	
gaagantcac	ctacttcaaa	gaaaanagt	ccttcccccc	atttctgtt	caattgacaa	660	
acgtccccaa	cacagccat	tgaaaacct	cacccaaccc	aaangggtcc	ccaaccanaa	720	
attnaaggg						729	

<210> 14

<211> 816

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(816)

<223> n = A,T,C or G

<400> 14

tgctttcct	caaagtgtt	tttgccttgc	aaaaaaccac	cataggtaaa	gcgggcccag	60
tgttcgtga	agggttgta	gtaccagcgc	gggatgtct	ccttgcagag	tcctgtgtct	120
ggcagggtcca	cgcagtgc	tttgcactg	ggaaatgga	tgcgtggag	ctcgtaaag	180
ccactcggt	attttcaca	ggcagcctcg	tccgacgcgt	cggggcagtt	gggggtgtct	240
tcacactcca	ggaaaactgtc	natgcagcag	ccattgctgc	agcgaactg	ggtgggctga	300
canagtccag	agcacactgg	atggcgcctt	tccatgnan	gggccttng	ggaaagtccc	360
tganc	anctgcct	caaangcccc	accttgacaca	ccccgacagg	ctagaatgga	420
atcttctcc	cgaaaaggtag	tttttctt	tgcccaancc	ancccnntaa	acaaactctt	480
gcanatctgc	tccnggggg	tcntantacc	ancgtggaa	aagaacccca	ggcngcgaac	540
caancttgc	tggatncgaa	gnataatct	ntnttcgtc	ttggtgac	gcaccantna	600
ctgtnnanct	ttagncnt	gtcctcntgg	gttgnctg	aacctaaten	ccnnntcaact	660
gggacaaggt	aantngccnt	cctttaatt	ccnancntn	ccccctgg	tggggtttt	720
cncnctccta	ccccagaaan	ncgtgttcc	cccccaacta	ggggccnnaaa	ccnntnttc	780
cacaaccctn	ccccacccac	gggtcngnt	ggttng			816

<210> 15

<211> 783

<212> DNA

<213> Homo sapien

<220>

```

<221> misc_feature
<222> (1)...(783)
<223> n = A,T,C or G

<400> 15
ccaaggcctg ggcaggcata nacttgaagg tacaacccca ggaacccctg gtgctgaagg 60
atgtggaaaa cacagattgg cgcctactgc ggggtgacac ggatgtcagg gtagagagga 120
aagacccaaa ccaggtggaa ctgtggggac tcaaggaang cacctacctg ttccagctga 180
cagtgactag ctcagaccac ccagaggaca cggccaacgt cacagtcaact gtgctgtcca 240
ccaagcagac agaagactac tgcctcgcat ccaacaangt gggtcgctgc cggggctt 300
tcccacgctg gtactatgac cccacggagc agatctgcaa gagttcggtt tatggaggct 360
gcttggcaa caagaacaac taccttcggg aagaagagtg cattctancc tgcncgggtg 420
tgcaagggtgg gcctttgana ngcancntctg gggctcangc gacttcccc cagggccct 480
ccatggaaag gcgccatcca ntgttctctg gcacctgtca gcccacccag ttccgctgca 540
ncaatggctg ctgcatcnac antttctng aattgtgaca acacccccc ntgccccaa 600
ccctcccaac aaagcttccc tggtnaaaaa tacnccantt ggcttttnac aaacncccg 660
cncctccnntt ttccccnntn aacaaaggc nctngcnntt gaactgccc aaccnnggaa 720
tctnccnngg aaaaantncc cccctgggtt cctnnaancc cctccncnaa anctnccccc 780
ccc 783

<210> 16
<211> 801
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = A,T,C or G

<400> 16
gcccccaattc cagctgccac accacccacg gtgactgcat tagttcgat gtcataaaaa 60
agctgatga agcaaccctc tacttttgg tcgtgagctt tttgcttggt gcagggttca 120
ttggctgtgt tggtgacgtt gtcattgcaa cagaatgggg gaaaggcact gttctcttg 180
aagttagggtg agtccctaaa atccgtatag ttggtaagc cacagcactt gagcccttc 240
atgggtgtgt tccacacttg agtgaagtct tcctggaaac cataatctt cttgatggca 300
ggcactacca gcaacgtcag gaagtgtca gccattgtgg tgtacaccaa ggcgaccaca 360
gcagctgcaa cctcagcaat gaagatgagg aggaggatga agaagaacgt cncgaggc 420
caattgtctt ccgtcttagc accatagcag cccangaaac caagagcaaa gaccacaacg 480
ccngctgcga atgaaagaaa ntacccacgt tgacaaaactg catgccact ggacgacagt 540
tggcccgaaat atttcagaa aaggatgcc ccatcgattt aacacccana tgcccactgc 600
cnacagggtgc gcncncncn gaaagaatga gccattgaag aaggatcntc ntggctt 660
tgaactgaaa ccntgcatgg tggccctgt tcagggtctt tggcagtgaa ttctganaaaa 720
aaggaaacngc ntnagcccccc ccaaangana aaacacccccc gggtggtgcc ctgaattggc 780
ggccaaggan ccctgccccn g 801

<210> 17
<211> 740
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(740)
<223> n = A,T,C or G

```

<400> 17

gtgagagcca	ggcgccctc	tgcctgcca	ctcagtggca	acacccggga	gctgtttgt	60
ccttgcgga	gcctcagcag	ttccctctt	cagaactcac	tgccaagagc	cctgaacagg	120
agccaccatg	cagtgcgtca	gcttcattaa	gaccatgtg	atcccttca	atttgctcat	180
ctttctgtgt	ggtgcagccc	tgttggcagt	gggcacatctgg	gtgtcaatcg	atggggcattc	240
ctttctgaag	atcttcgggc	cactgtcgctc	cagtgcctat	cagttgtca	acgtgggcta	300
cttcctcatc	gcagccggcg	ttgtggtctt	tgctcttgg	ttccctggct	gctatggtgc	360
taagacggag	agcaagtgtg	ccctcggtac	gttcttcttca	atccctcctcc	tcatcttcat	420
tgctgaagtt	gcagctgtgt	tggtcgcctt	ggtgtacacc	acaatggctg	aaccattcct	480
gacgttgcgt	gtantgcctg	ccatcaanaa	agattatggg	ttcccaaggaa	aaatttcaactc	540
aantntgaa	caccnccatg	aaaagggctc	caatttctgn	tggcttcccc	aactataccg	600
gaattttgaa	agantcnccc	tacttccaaa	aaaaaaanant	tgcctttncc	cccnntctgt	660
tgcaatgaaa	acntcccaan	acngccaatn	aaaacctgcc	cnnncaaaaa	ggntcncaaa	720
aaaaaaaaant	nnaagggttn					740

<210> 18

<211> 802

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(802)

<223> n = A, T, C or G

A, T, C, G

<400> 18

ccgctgggtg	cgctggtcca	gngnagccac	gaagcacgtc	agcatacaca	gcctcaatca	60
caaggcttcc	cagctgccgc	acattacgca	ggcaagagc	ctccagcaac	actgcataatg	120
ggatacacat	tactttagca	gccagggtga	caactgagag	gtgtcaagc	ttatttctct	180
gagcctctgt	tagtggagga	agattccggg	ttcagctaa	gtagtcagcg	tatgtccat	240
aagcaaacac	tgtgagcagc	cggaaggtag	aggcaaaatc	actctcagcc	agctctctaa	300
cattggccat	gtccagcagt	tctccaaaca	cgtagacacc	agnngcctcc	agcacctgat	360
ggatgagtgt	ggccagcgct	gcccccttgg	ccgacttggc	taggagcaga	aattgctcct	420
ggttctgcc	tgtcaccttc	acttccgcac	tcatcactgc	actgagtgtg	ggggacttgg	480
gctcaggatg	tccagagacg	tggttccgcc	ccctcnctta	atgacaccgn	ccanncaacc	540
gtcggctccc	gccgantng	ttcgtcgtn	ctgggtcagg	gtctgctggc	cnctacttgc	600
aannttcgtc	nggcccattg	aattcaccnc	accggaaactn	gtangatcca	ctnnntctat	660
aaccggncgc	caccgcnnnt	ggaactccac	tcttnttnc	tttactttag	ggttaaggtc	720
acccttncg	ttaccttgg	ccaaacccnt	ccntgtgtcg	anatngtnaa	tcnggnccna	780
tnccancnc	atangaagcc	ng				802

<210> 19

<211> 731

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(731)

<223> n = A, T, C or G

<400> 19

cnaagcttcc	aggtnacggg	ccgcnaancc	tgaccnagg	tancanaang	cagnncnggg	60
gagcccaccc	tcacgnggng	gngtctttat	nggagggggc	ggagccacat	cnctggacnt	120

cntgacccca	actccccncc	ncncantgca	gtgatgagtg	cagaactgaa	ggtnacgtgg	180
caggaaccaa	gancaaannc	tgctccnnnc	caagtcggcn	nagggggcgg	ggctggccac	240
gcncatccnt	cnagtgctgn	aaagcccccnn	cctgtctact	tgtttggaga	acngcnngna	300
catgcccagn	gttanataaac	nggcngagag	tnantttgcc	tctcccttcc	ggctgcgcan	360
cgngtntgct	tagggacat	aacctgacta	cttaactgaa	cccnngaatc	tnccnccct	420
ccactaagct	cagaacaaaaa	aacttcgaca	ccactcantt	gtcacctgnc	tgctcaagta	480
aagtgtaccc	catncccaat	gtntgctnga	ngctctgncc	tgcnittangt	tcggtcctgg	540
gaagacctat	caattnaagc	tatgttctg	actgcctt	gctccctgna	acaancnacc	600
cnnnntcca	agggggggnc	ggccccaat	ccccccaacc	ntnaattnan	tttancccn	660
ccccnggcc	cggccttta	cnancntnn	nnacngggna	aaaccnnnngc	tttncccaac	720
nnaatccncc	t					731

<210> 20
 <211> 754
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (754)
 <223> n = A,T,C or G

<400> 20

tttttttttt	tttttttttt	taaaaacccc	ctccattnaa	tgnaaacttc	cgaaattgtc	60
caacccctc	ntccaaatnn	ccnntccgg	nggggggttc	caaacccaa	ttanntttgg	120
annttaaatt	aatnttnnt	tggnggnna	anccnaatgt	nangaaagtt	naacccanta	180
tnancttnaa	tnccctggaa	ccngtngntt	ccaaaaatnt	ttaaccctta	antccctccg	240
aatngttna	ngggaaaaccc	aanttctcnt	aaggttgtt	gaagntnaa	taaaaanccc	300
nnccaaatgt	tttngccac	gcctgaat	attggnttcc	gntgtttcc	ntaaaanaaa	360
ggnanccccc	ggttanta	tcccccnnnc	cccaattata	ccgantttt	ttngaattgg	420
gancccncgg	gaattaacgg	ggnnnntccc	tnttgggggg	cnggnncccc	ccccntcggg	480
ggttngggnc	aggncnnat	tgttaaggg	tccgaaaaat	ccctccnaga	aaaaaanctc	540
ccagggntgag	nntngggttt	ncccccnc	cangggccct	ctcgnanagt	tggggtttgg	600
ggggccttggg	attttnttcc	ccctnttncc	tccccccccc	cnnggganag	aggttngngt	660
tttgntcnnc	ggccccnccn	aagancttn	ccganttnan	ttaaatccnt	gcctngggcga	720
agtccnttgn	aggntaaan	ggcccccnn	cggg			754

<210> 21
 <211> 755
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (755)
 <223> n = A,T,C or G

<400> 21

atcanccat	gaccccnaac	nngggaccnc	tcancggnc	nnncnaccnc	cggccnatca	60
nngtnagnnc	actncnntn	natcacnccc	cnccnactac	gcccnanc	cnacgcncta	120
nncanatncc	actganngcg	cgangtngan	ngagaaaact	nataccanag	ncacccanacn	180
ccagctgtcc	nanaangcct	nnnatacngg	nnnatccaat	ntgnancctc	cnaagtattn	240
nncnnccanat	gattttctn	anccgattac	ccntnccccc	tancccctcc	cccccaacna	300
cgaaggcnct	ggncncnaagg	nngcgnnc	ccgctagntc	cccncaagt	cncncnct	360
aactcancnn	nattacncgc	ttcntgagta	tcactccccg	aatctcaccc	tactcaactc	420

aaaaanatcn gataaaaaat aatncaagcc tgnttatnac actntgactg ggtctctatt	480
ttagnggtcc ntinaancntc ctaatacttc cagtctncct tcnccaaattt ccnaanggct	540
ctttcngaca gcatntttg gttcccnntt gggttcttan ngaattgccc ttcntngaac	600
gggctcnct tttcccttcgg ttancctggn ttcnnccgac cagtattat ttcccnntt	660
aaattcnnc cnttatttt tggcnnctna aaccccccggc cttgaaaaacg gccccctgg	720
aaaagggtgt ttganaaaa tttttgggtt gttcc	755
<210> 22	
<211> 849	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(849)	
<223> n = A,T,C or G	
<400> 22	
ttttttttt ttttangtg tngtcgtgca ggttagaggct tactacaant gtgaanacgt	60
acgctngan taangcgacc cganttctag gannccctt aaaatcanac tgtgaagatn	120
atcctgnnna cggaanggtc accggngat nntgcttaggg tgnccnctcc cannncttn	180
cataactcng nggccctgcc caccacccctt gcggccncng ngnccggcc cgggtcattn	240
gnnttaaccn cactnngcna ncggttccn ncccnncng acccnggcga tccgggtnc	300
tctgtctcc cctgnagnncn anaantggg cnccgnccc ctttacccct nnacaagcca	360
cngccnctta nccnengccc cccctccant nnggggact gcnnanngct cggttnctng	420
nnacccnnn gggtnccctg gttgtcgant cnaccgnang ccanggattc cnaaggaagg	480
tgcgtnttg gcccctaccc ttcgctncgg nncacccttc ccgacnanga nccgctcccg	540
cncnnccng cctcnccctg caacacccgc nctcntcngt ncggnnnccc ccccacccgc	600
nccctcnncn ngcgnancn ctccnccncc gtctcannca ccaccccgcc cggccaggcc	660
ntcanccacn ggnngacnng nagcnccntc gcncgcgcn gcgnccct cgcncngaa	720
ctnccnctngg ccantnnccgc tcaancnna cnaaacgcgc ctgcgcggcc cgnagcgncc	780
ncctccnccga gtccctccgn ctccnaccc angnnttccn cgaggacacn nnacccccc	840
nncangccg	849
<210> 23	
<211> 872	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(872)	
<223> n = A,T,C or G	
<400> 23	
gcgcaaacta tacccgtc gnactcggtc gcctcgctnc tctttccctc cgcaaccatg	60
tctgacnanc cggatnngc ngatatcnan aagntcganc agtccaaact gantaacaca	120
cacacnccn aganaaatcc nctgccttcc anagtnacn attgaacnng agaaccangc	180
nggcgaatcg taatnaggcg tgcgcgcac atntgtcncc gtttatttnn ccagcntcnc	240
ctnccnaccc tacntcttcn nagctgtcncc accccctngtn cgnacccccc naggtcggga	300
tcgggtttnn nntgaccgng cnccctccccc cccntccat nacgancnc cccgaccacc	360
nanngcncgc ncccccgnct ctgcgcncncc ctgtccttnn cccctgtngc ctggcncngn	420
accgcattga ccctcgccnn ctncnngaaa ncgnanacgt ccgggttggn annancgctg	480
tgggnngcgc tctgcncgc gttccctccn ncnnnttccn ccatcttnt tacnnggtct	540
ccncgcncntc tcnncacnc cctggacgc tntcctntgc ccccttnac tccccccctt	600

cgncgtgncc	cgncgtgncc	ntcatttnca	naacntcttc	acaannncct	ggntnnctcc	660
cnancngn	cnancngn	gtcancn	ggaagggn	ggnccnn	ntgacgtt	720
cgaanantcc	tcnccntcan	cnctacc	cggn	gnct	aacttan	780
ntctcccc	ngng	ncn	tcag	cctnc	ccncc	840
tnaccnntac	gant	nttc	gn	cncc	c	872
<210> 24						
<211> 815						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1) ... (815)						
<223> n = A,T,C or G						
<400> 24						
gcatgca	ttgagtatt	tatagngtca	cctaaatanc	ttggc	nta	60
nctgn	ntc	tgtca	atgt	ca	aanngt	120
tcn	tcn	taa	at	aa	nn	180
cgcatt	cgcatt	gt	ta	ca	nn	240
gcnc	gcnc	aca	at	at	nn	300
gcnc	gcnc	tt	ng	tt	nn	360
gcnc	gcnc	gg	na	gt	na	420
gcnc	gcnc	at	na	gg	ag	480
gcnc	gcnc	tt	tt	gg	tt	540
gcnc	gcnc	gg	gg	gg	gg	600
gcnc	gcnc	cc	cc	cc	cc	660
gcnc	gcnc	cc	cc	cc	cc	720
gcnc	gcnc	cc	cc	cc	cc	780
gcnc	gcnc	cc	cc	cc	cc	815
<210> 25						
<211> 775						
<212> DNA						
<213> Homo sapien						
<220>						
<221> misc_feature						
<222> (1) ... (775)						
<223> n = A,T,C or G						
<400> 25						
ccgagat	tcg	tcgtccgt	gccttagct	tgctcg	actctctt	60
aggctat	cca	gcgtact	cca	aagatt	cagg	120
agtcaa	attt	cct	gaatt	tttact	cac	180
tactga	agaa	att	gtgt	ct	gttcat	240
actgg	ttt	ctat	act	cc	ccat	300
cctg	ccgt	ctat	act	cc	ccat	360
tgta	aggc	ctt	ttgt	cc	ccat	420
ctg	gtgt	gtt	gtt	cc	ccat	480
tgt	agggtt	at	at	cc	ccat	540
aatt	gtt	at	at	cc	ccat	600
ccncc	ccgt	at	at	cc	ccat	660
tttac	ccgt	at	at	cc	ccat	720
ccncc	ccgt	at	at	cc	ccat	780
ccncc	ccgt	at	at	cc	ccat	815

ncctnncta anaaaacttn aaancgtngc naaannttn acttccccc ttacc	775
<210> 26	
<211> 820	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(820)	
<223> n = A,T,C or G	
<400> 26	
anattantac agtgtaatct tttcccagag gtgtgtanag ggaacggggc ctagaggcat	60
cccanagata ncttatanca acagtgttt gaccaagagc tgctggcac atttcctgca	120
gaaaagggtgg cggtccccat cactcctcct ctcccatagc catcccagag gggtagtag	180
ccatcangcc ttccgtggga gggagtcang gaaacaacan accacagagc anacagacca	240
ntgtatgacca tgggcgggag cgagccctt ccctgnaccg gggtaggcana nganagccta	300
nctgagggtt cacactataa acgttaacga ccnagatnan cacctgttc aagtgcaccc	360
ttccttacctg acnaccagng accnnnaact gcngcctgg gacagcnctg ggancagcta	420
acnnagcaact cacctgcccc cccatggccg trncgntccc tggctctgnc aaggaaagct	480
ccctgttggaa attncgggaa naccaaggga ncccccctcct ccanctgtga aggaaaaann	540
gatggaaattt tncccttccg gcnntcccc tttcccttta cacgccccct nntactcntc	600
tccctctntt ntccctgnncn acttttnacc ccnnnatttc ccttnattga tcggannctn	660
ganattccac tnnccctnc cncatcng naanacnnaaa nactntctna cccngggat	720
gggnncctcg ntcatccctc ttttcnct accncnnntt cttgcctct cctngatca	
780tccaaccntc gntggccntr ccccccnnn tccttnccc	
820	
<210> 27	
<211> 818	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(818)	
<223> n = A,T,C or G	
<400> 27	
tctgggtgat ggccctttcc tcctcaggga cctctgactg ctctggcca aagaatctct	60
tgtttcttcc ccgagccca ggcagcggtg attcagccct gcccacactg attctgtatga	120
ctgcggatgc tgtgacggac ccaagggca aatagggtcc cagggtccag ggaggggcgc	180
ctgctgagca ctcccgcccc tcaccctgcc cagccctgc catgagctct gggctgggtc	240
tccgcctcca gggttctgtc ttccangca ngccancaag tggcgctggg ccacactggc	300
ttcttcctgc ccctccctg gctctgantc tctgtttcc tgcctgtgc angcnccttg	360
gatctcagtt tccctcnctc anngaaactct gtttctgann tcttcantta actntgantt	420
tatnacnan tggncgttgc tgcnnactt taatggccn gaccggctaa tccctccctc	480
nctccctcc anttcnnnnna accngcttnc cncntctcc cncntcccg ccngggaaanc	540
ctcccttgcc ctnaccangg gcccnnaccg cccnntnnctn gggggcnng gtnnctncn	600
ctgntnnccc cncnccnnt tncctgtcc cncnncgcn nngcanntc ncngtccnn	660
tnnctctcn ngtntcgnaa ngntcnntn tnnnnnngnncn ngntnnntcn tccctctcnc	720
cnnntgnang tnntnnnnnc ncngncccc nnnncnnnnn nggnntnnn tctncncngc	780
cccnncncnc ngnattaagg cctccnntct cggccnc	818

<210> 28
 <211> 731
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(731)
 <223> n = A,T,C or G

<400> 28
 aggaaggcg gagggatatt gtangggatt gagggatagg agnataangg gggaggtgtg 60
 tcccaacatg anggtgnngt tctctttga angagggttg ngttttann cenggtgggt 120
 gattnaaccg cattgtatgg agnnaaaggn ttnagggat ttttcggctc ttatcgtat 180
 ntanattcct gtnaatcgga aaatnatntt tcnnncngaa aatnttgctc ccatccgnaa 240
 attnctcccg ggtagtgcatt ntngggggn cngccangtt tcccaggctg ctanaatcgt 300
 actaaaagntt naagtgggan tncaaatgaa aacctnnac agagnatccn taccgactg 360
 tnnnttnccct tcgcccctntg actctgcnnng agcccaatac cennngngnat gtcncccn 420
 nnngcgnnc tgaaannnnnc tcgnggctnn gancatcang gggttcgca taaaagcnn 480
 cgtttcnacat naaggcactt tngcctcattt caaccnctng ccctcnncca ttngccgtc 540
 nggtnccct acgctnnntng cncctnnntn ganatttnc cgcctnggg naancctcct 600
 gnaatggta gggncctntc ttttnaccnn gnggtntact aatcnctnc acgcntnctt 660
 tctcnacccc cccctttt caatcccanc ggcnaatggg gtctcccn 720
 nnnccanc c 731

<210> 29
 <211> 822
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(822)
 <223> n = A,T,C or G

<400> 29
 actagtccag tgggtggaa ttccattgtg ttgggnncnc ttctatgant antnttagat 60
 cgctcanacc tcacancctc ccnaacnangc ctataangaa nannaataga nctgtncnnt 120
 atntntacnc tcatannctt cnnnacccac tccctcttaa cccntactgt gcctatngcn 180
 tnnctantct ntggcgctn cnanccacn gtgggcnac cncnngnatt ctcnatctcc 240
 tcnccatntn gcctananta ngtncatacc ctatacctac nccaatgcta nnnctaancn 300
 tccatnattt annntaacta ccactgacnt ngactttcnc atnanctctt aatttgaatc 360
 tactctgact cccacngcct annnatttagc ancntcccc nacnatntct caaccaaatc 420
 ntcaacaacc tattctanctg ttcnccaacc nttnctccg atcccnac aacccccc 480
 ccaaataccc nccacctgac ncctaaccn caccatcccg gcaagccnan ggncatttan 540
 ccactggaat cacnatngga naaaaaaaac ccnaactctc tancncnnat ctccttaana 600
 aatnctcctn naatttactn ncantnccat caancccacn tgaaacnnaa cccctgttt 660
 tanatccctt ctttcgaaaa ccnaccctt annncccaac ctttngggcc ccccnctnc 720
 ccnaatgaag gncncccaat cnangaaacg nccntgaaaa ancnaggcna anannntccg 780
 canatcctat cccttattt ggggnccctt nccnngggcc cc 822

<210> 30
 <211> 787
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (787)
 <223> n = A,T,C or G

<400> 30

cggccgcctg	ctctggcaca	tgcctcctga	atggcatcaa	aagtgatgga	ctgcccattg	60
ctagagaaga	ccttctctcc	tactgtcatt	atggagccct	gcagactgag	ggctccccc	120
gtctgcagga	tttgcgtct	gaagtcgtgg	agtgtggctt	ggagctccctc	atctacatna	180
gcttggaaagcc	ctggaggggcc	tctctcgcca	gcctccccct	tctctccacg	ctctccangg	240
acaccagggg	ctccaggcag	cccattattc	ccagnangac	atgggtttc	tccacgcgga	300
cccatggggc	ctgnaaggcc	agggtctcct	ttgacaccat	ctctcccg	ctgcctggca	360
ggccgtggga	tccactantt	ctanaacggn	cgccaccn	gtggagagtc	cagctttgt	420
tcccnttaat	gaaggttaat	tgcncgttg	gcgtaatcat	nggtcanaac	tnttcctgt	480
tgaaatgt	ttntccctc	ncnattccnc	ncnacatacn	aaccggaa	cataaagtgt	540
taaaggcctgg	gggtngcctn	nngaatnaac	tnaactcaat	taattgcgtt	ggctcatggc	600
ccgctttccn	ttcnggaaaa	ctgtcntccc	ctgcntnnt	gaatcggca	ccccccnngg	660
aaaagcggtt	tgcnttttng	ggggntcctt	cncttcccc	cctnctaann	ccctncgcct	720
cggtcgtn	ngtngcggg	gaangggnat	nnnctccnc	naaggggng	agnnnngnat	780
ccccaaaa						787

<210> 31
 <211> 799
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (799)
 <223> n = A,T,C or G

<400> 31

tttttttttt	tttttttggc	gatgctactg	ttaattgca	ggaggtgggg	gtgtgtgtac	60
catgtaccag	ggctattaga	agcaagaagg	aaggaggagg	ggcagagcgc	cctgctgagc	120
aacaaaggac	tcctgcagcc	ttctctgtct	gtctcttgc	gcaggcacat	ggggaggcct	180
cccgcaggg	gggggcccacc	agtccagggg	tgggagact	acanggggt	ggagtgggt	240
gtggctggtn	cnaatggcct	gnacanatc	cctacgattc	ttgacacctg	gatttacca	300
ggggaccc	tgttctccca	ngnaacttc	ntnnatctn	aaagaacaca	actgtttctt	360
cngcantct	ggctgttcat	ggaaagcaca	ggtgtccnat	ttnggctggg	acttggtaca	420
tatggttccg	gcccacctct	ccntcnaan	aagtaattca	ccccccccc	ccntctntt	480
cctggccct	taantaccca	caccggaact	canttanta	ttcatcttng	gntgggctt	540
ntnatcnnccn	cctgaangcg	ccaagttgaa	aggccacgccc	gtncnnctc	ccatagnan	600
nttttnncnt	canctaatgc	ccccccnngc	aacnatccaa	tcccccccn	tgggggcccc	660
agcccanggc	ccccgnctcg	ggnnnccnng	cncgnantcc	ccaggnctc	ccantcngnc	720
ccnnngcncc	ccgcacgca	gaacanaagg	ntngagccnc	cgcannnnn	ngttnncnac	780
ctcgcccccc	ccnnngnng					799

<210> 32
 <211> 789
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(789)

<223> n = A,T,C or G

<400> 32

tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
ttttnccnag	ggcaggtta	ttgacaacct	cncggacac	aancaggctg	gggacaggac	120
ggcaacaggc	tccggcggcg	cgccggcgg	ccctacactgc	ggtaccaa	at ntgcagcctc	180
cgctccgc	tgtatnttcct	ctgcagctgc	aggatgc	aaaacagggc	ctcggccntn	240
ggtgggcacc	ctgggattn	aatttccacg	ggcacaatgc	ggtcgcancc	cctcaccacc	300
nattaggaat	agtggtnnta	cccncnc	ttggcnact	cccncntggaa	accactntc	360
gcggctccgg	catctggtct	taaacctgc	aaacnctggg	gccctcttt	tggttantnt	420
nccngccaca	atcatnactc	agactggcnc	gggctggccc	caaaaaancn	ccccaaaaacc	480
ggnccatgtc	ttnnccgggt	tgctgcnatn	tncatcacct	cccgggcna	ncaggncaac	540
ccaaaagttc	ttgnngcccn	caaaaaanct	ccggggggnc	ccagttcaa	caaagtcatc	600
cccccgtgcc	cccaaattcct	ccccccgntt	nctgggtttg	ggaacccacg	cctctnnctt	660
tggnngccaa	gntggntccc	cttcgggccc	cccggtggc	cnnctctaa	ngaaaacncc	720
ntcctnnnca	ccatcccccc	nngnnacgn	tancaangna	tccctttt	tanaaacggg	780
ccccccnccg						789

<210> 33

<211> 793

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(793)

<223> n = A,T,C or G

<400> 33

gacagaacat	gttggatgg	ggagcacctt	tctatacgc	ttacaggaca	gcagatgggg	60
aattcatggc	tgttggagca	atanaacccc	agttctacga	gctgtgtac	aaaggacttg	120
gactaaagtc	tgtgaactt	cccaatcaga	tgagcatgga	tgattggca	aaaatgaana	180
agaagttgc	agatgtattt	gcaaagaaga	cgaaggcaga	gtgggtgtcaa	atctttgacg	240
gcacagatgc	ctgtgtgact	ccggttctga	cttttgagga	ggttggcat	catgatcaca	300
acaangaacg	gggctcg	ttt atcaccantg	aggagcagga	cgtgagcccc	cgcctgcac	360
ctctgctgtt	aaacacccca	gccatccctt	cttcaaaaag	ggatccacta	cttctagagc	420
ggngccacc	gcgggtggagc	tccagctttt	gttcccttta	gtgaggggta	attgcgcgt	480
tggcgtaatc	atggtcatan	ctgtttctg	tgtgaaattt	ttatccgctc	acaattccac	540
acaacatacg	ancggaa	atnaaatttt	aaagcctgn	ggtngcctaa	tgantgaact	600
nactcacatt	aattggctt	gctactg	cccgctttcc	agtccggaaa	acctgtcctt	660
gccagctgcc	nttaatgaat	cnggccaccc	cccggggaaa	aggcngttt	cttnttgggg	720
cgncttccc	gcttctcgc	tccctgaant	cttcccccc	ggtcttcgg	cttgcggcna	780
acggtatcna	cct					793

<210> 34

<211> 756

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(756)

<223> n = A,T,C or G

<400> 34

gccgcgaccg	gcatgtacga	gcaactcaag	ggcgagtgga	accgtaaaag	ccccaatctt	60
ancaagtgcg	ggaaanagct	gggtcgactc	aagctagttc	ttctggagct	caacttcttg	120
ccaaaccacag	ggaccaagct	gaccaaacag	cagctaattc	tggcccgtga	catactggag	180
atcggggccc	aatggagcat	cctacgcaan	gacatcccct	ccttcgagcg	ctacatggcc	240
cagctcaaat	gctactactt	tgattacaan	gagcagctcc	ccgagtcagc	ctatatgcac	300
cagctcttgg	gcctcaacct	cctcttcctg	ctgtcccaga	accgggtggc	tgantnccac	360
acgganttgg	ancggctgcc	tgccaanga	catacanacc	aatgtctaca	tcnaccacca	420
gtgtcttgg	gcaatactga	tgganggcag	ctaccncaa	gtnttctgg	ccnaggtaa	480
catccccccgc	cgagagctac	accttcttca	ttgacatct	gctcgacact	atcagggatg	540
aaaatcgcng	ggttgctcca	gaaaggctnc	aanaanatcc	ttttnctga	aggcccccgg	600
atncnctagt	nctagaatcg	gcccgcac	gcccgtgganc	ctccaacctt	tcgttnccct	660
ttactgaggg	ttnattgccc	cccttggcgt	tatcatggc	acnccngttn	cctgtgttga	720
aattnttaac	ccccccacaat	tccacgcccna	catnng			756

<210> 35

<211> 834

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(834)

<223> n = A,T,C or G

<400> 35

ggggatctct	anatcnacct	gnatgcacgg	ttgtcggtgt	ggtcgctgtc	gatgaanatg	60
aacaggatct	tgccttgaa	gctctcggt	gctgtntta	agttgctcag	tctgcccgtca	120
tagtcagaca	cnctcttggg	caaaaaacan	caggatntga	gtcttgattt	cacctccaaat	180
aatcttcnng	gctgtctgct	cggtgaactc	gatgacnang	ggcagctgg	tgtgtntgat	240
aaantccanc	angttctctt	ttgtgacctc	cccttcaaag	ttgttccggc	cttcatcaaa	300
cttcttnnaan	angannanc	cancttggtc	gagctggnat	ttgganaaca	cgtcaactgtt	360
ggaaactgat	cccaaatgg	atgtcatcca	tcgcctctgc	tgcctgcaaa	aaacttgctt	420
ggcncaaattc	cgactcccn	tccttgaaag	aagccnatca	caccccccctc	cctggactcc	480
nncaangact	ctnccgctnc	cccncnng	cagggttgg	ggcannccgg	gcccntgcgc	540
ttcttcagcc	agttcacnat	tttcatcagc	ccctctgc	gctgtntat	tccttgggg	600
ggaancggtc	tctcccttcc	tgaannaact	ttgaccgtng	gaatagccgc	gcntcnccnt	660
acntnctggg	ccgggttcaa	antccctccn	ttgnccnntcn	cctcgggcca	ttctggattt	720
nccnaacttt	ttccctcccc	cncccnccgg	ngtttggntt	tttcatnggg	ccccaaactct	780
gctnttggcc	antccctgg	gggcntntan	cncccccctnt	ggtcccnntng	ggcc	834

<210> 36

<211> 814

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(814)

<223> n = A,T,C or G

<400> 36

cggnccgttt	ccngccgcgc	cccggttcca	tgacnaaggc	tcccttcang	ttaaatacnn	60
cctagnaaac	attaatgggt	tgctctacta	atacatcata	cnaaccagta	agcctgccc	120
naacgccaac	tcaggccatt	cctaaccaaag	gaagaaaaggc	tggtctctcc	accccctgt	180

ggaaaggcct	gccttgtaa	acaccacaat	ncggctgaat	ctnaagtctt	gtgtttact	240
aatggaaaaa	aaaaataaaac	aanaggttt	gttctcatgg	ctgcccaccc	cagcctggca	300
ctaaaacanc	ccagcgctca	cttctgttg	ganaaatatt	cttgctctt	ttggacatca	360
ggcttgcgtgg	tatcaactgcc	acnnttccac	ccagctggc	ncccttcccc	catntttgtc	420
antganctgg	aaggcctgaa	ncttagtctc	caaaagtctc	ngccacacaag	accggccacc	480
aggggangtc	nttncagtg	gatctgccaa	anantaccn	tatcatcnnt	gaataaaaag	540
gcccctgaac	ganatgttc	cancancctt	taagacccat	aatcctngaa	ccatgggtcc	600
cttccggct	gatccnaaag	gaatgttcct	gggtcccant	ccctcccttg	ttncttagt	660
tgtnttggac	ccntgctngn	atnacccaan	tganatcccc	ngaagcaccc	tncccctggc	720
atttgantt	cntaaattct	ctgcccatac	nctgaaagca	cnattccctn	ggcncnnaan	780
ggngaaactca	agaaggctn	ngaaaaacca	cncn			814

<210> 37
 <211> 760
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(760)
 <223> n = A,T,C or G

<400> 37						
gcatgctgct	cttcctcaaa	gttgttcttg	ttgccataac	aaccaccata	ggtaaagcgg.	60
gcbcagtgtt	cgctgaaggg	gttgttagtac	cagcgcggga	tgctctcctt	gcagagtcct	120
gtgtctgca	ggtccacgca	atgccccttg	tcactggga	aatggatgc	ctggagactcg.	180
tcnaancac	tcgtgtattt	ttcacangca	gcctcctccg	aagcncctcg	gcagttgggg	240
gtgtcgctac	actccactaa	actgtcgatn	cancagccca	ttgctgcagc	ggaactgggt	300
gggcgtacag	gtgccagaac	acactggatn	ggcctttcca	tggaaaggcc	tggggaaat	360
cncctnanc	caaactgcct	ctcaaaggcc	accttgacaca	ccccgacagg	ctagaaatgc.	420
actcttc	ccaaaggtag	ttgttcttg	tgcacaagca	ncctccanca	aaccaaanaa	480
ttgcaaaatc	tgctccgtgg	ggtcatnnn	taccangtt	ggggaaanaa	accggcngn.	540
ganccncctt	gttgaatgc	naaggnaata	atcctcctgt	cttgcctggg	tggaaanagca	600
caattgaact	gttaacntt	ggccgngttc	cnctnggggt	gtctgaaact	aatcaccgtc.	660
actggaaaaa	ggtangtgcc	ttccttgaat	tcccaaantt	cccctngntt	tggtnnntt	720
ctcctctncc	ctaaaaatcg	tnttcccccc	ccntanggcg			760

<210> 38
 <211> 724
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(724)
 <223> n = A,T,C or G

<400> 38						
tttttttttt	tttttttttt	ttttaaaaaa	ccccctccat	tgaatgaaaa		60
cttccnaaat	tgtccaaccc	cctcnccaa	atnnccattt	ccgggggggg	gttccaaacc	120
caaattaatt	ttggantta	aattaaatnt	tnattnggg	aanaancaa	atgtnaagaa	180
aatttaaccc	attatnaact	taaatncctn	gaaacccntg	gnntccaaaa	attttaacc	240
cttaaatccc	tccgaaattt	ntaangaaa	accaaattcn	cctaaggctn	tttgaaggtt	300
ngatttaaac	cccttnant	tntttnacc	cnngnctnaa	ntattnngt	tccggtgttt	360
tcctnttaan	cntnggtaac	tcccgnata	gaannncct	aancaatta	aaccgaattt	420

ttttgaatt ggaaattccn nggaaattna ccggggttt tcccnnnngg gggccatncc	480
cccncttcg gggtttgggn ntaggttgaa tttttnnang ncccaaaaaa ncccccaana	540
aaaaaaactcc caagnntaa ttnaaatntc ccccttccca ggcctttgg gaaaggnggg	600
tttntgggg ccnnggantt cttcccccn ttnccncccc ccccccnnggt aaanggttat	660
ngnntttgt ttttggccc cttnanggac cttccggatn gaaattaaat ccccggnncg	720
gccc	724
<210> 39	
<211> 751	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (751)	
<223> n = A,T,C or G	
<400> 39	
ttttttttt ttttcttg ctcacattta attttattt tgatttttt taatgctgca	60
caacacaata tttatccat ttgtttctt tatttcattt tatttgggg ctgctgctgt	120
tttatttattt tttactgaaa gtgagaggga acttttggg cttttttcc ttttctgtat	180
ggccgcctta agctttctaa atttggaaaca tctaagcaag ctgaanggaa aaggggggtt	240
cgcaaaatca ctcgggggaa nggaaagggtt gctttgttaa tcatacccta tgggggtgt	300
ttaactgctt gtacaattac ntttcaattt taattaaattt tgctnaangc ttaattana	360
cttgggggtt ccctccccan accaaccnn .ctgacaaaaa .gtgcngccc .tcaaatnatgt	420
tcccggcnnt .cnttggaaaca .cacngcngaa .ngttctcatt .ntccccncnc .caggtaaaaa	480
tgaagggtt ccattttaa cnccacctcc acntggcnnn .gcctgaatcc tcnaaaancn	540
ccctcaancn aattnctnng ccccggtcnc gcntnngtcc cncccggtt ccgggaantn	600
caccccccnga annnnnnnnc naacnaaaatt ccgaaaatatt tcccnntcnc tcaattcccc	660
cnnagactnt cctcnncnan cncaattttc ttttnttcac .gaacncgnnc cnnaaaatgn	720
nnnnncncctc cnctngtccn naatcnccan c	751
<210> 40	
<211> 753	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (753)	
<223> n = A,T,C or G	
<400> 40	
gtggtatattt ctgtaaagatc aggtgttcct ccctcgtagg ttttagaggaa acaccctcat	60
agatgaaaac ccccccggaga cagcagcact gcaactgcca agcagccggg gtaggggggg	120
cgccctatgc acagctggc ctttgagaca gcagggttc gatgtcaggc tcgtatgtcaa	180
tggtctggaa gcgccggctg tacctgcgtt ggggcacacc gtcagggccc accaggaact	240
tctcaaagtt ccaggcaacn tcgttgcgac acaccggaga ccaggtgatn agcttgggt	300
cggtcataan cgccggggcg tcgtcgctgg gagctggcag ggcctccgc aggaaggcna	360
ataaaaaggtg cgcccccgca ccgttcanct cgcaattctc naanaccatg angttggct	420
cnaaccacc accannccgg acttccttga nggaaattccc aaatcttcc gntctggc	480
ttctnctgat gccctanctg gttgcccngn atgccaanca nccccaancc ccggggctt	540
aaancacccn cctctctntt tcatactgggt tnttntcccc ggacntggt tcctctcaag	600
gganccata tctcnaccan tactcacnt nccccccnt gnnacccanc cttctanngn	660
ttcccncccg ncctctggcc cttcaaanana gtttcaacna cttgggtctg cttccccccc	720

tnccctatct gnaccccn cn tttgtctcan tnt	753
<210> 41	
<211> 341	
<212> DNA	
<213> Homo sapien	
<400> 41	
actatatcca tcacaacaga catgcttcat cccatagact tcttgacata gcttcaa atg	60
agtgaaccca tccttgattt atatacatat atgttctcag tattttggga gccttccac	120
ttctttaaac ctgttcattt atgaacactg aaaataggaa tttgtgaaga gttaaaaagt	180
tatagctgt ttacgttagta agttttgaa gtctacattc aatccagaca cttagttgag	240
tgttaaactg tgattttaa aaaatatcat ttgagaatat tcttcagag gtatttcat	300
ttttacttt tgattaattt tgtttatat attaggtag t	341
<210> 42	
<211> 101	
<212> DNA	
<213> Homo sapien	
<400> 42	
acttactgaa tttagttctg tgctcttcct tatttagtgt tttatcataa atactttgat	60
gtttcaaaaca ttctaaataa ataattttca gtggcttcatt a	101
<210> 43	
<211> 305	
<212> DNA	
<213> Homo sapien	
<400> 43	
acatctttgt tacagtctaa gatgtgttct taaatcacca ttcccttcctg gtcctcaccc	60
tccagggtgg tctcacactg taatttaggc tattgaggag tctttacagc aaattaagat	120
tcagatgcct tgctaagtct agagttctag agttatgtt cagaaagtct aagaaaccca	180
cctcttgaga ggtcagtaaa gaggactta tatttcatat ctacaaaatg accacaggat	240
tggatacaga acgagagttt tcctggataa ctcagagctg agtacctgcc cggggggccgc	300
tcgaa	305
<210> 44	
<211> 852	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(852)	
<223> n = A,T,C or G	
<400> 44	
acataaaat cagagaaaag tagtcttga aatatttacg tccaggagtt ctttggttct	60
gattatttgg tttgtgtttt ggtttgtgtc caaagtattt gcagtttcag ttttcatttt	120
ctctccatcc tcgggcatcc ttcccaaattt tatataccag tcttcgtcca tccacacgct	180
ccagaatttc tctttgttag taatatctca tagctcggtc gagctttca taggtcatgc	240
tgctgtgtt cttctttta ccccatagct gagccactgc ctctgatttc aagaacctga	300
agacgcctc agatcggtct tcccatat ttaatctgg gttttgtct gggttcaaga	360
ggatgtcgctc gatgaattcc cataagttag tccctctgg gttgtgtctt ttgggtgtggc	420

acttggcagg ggggtcttgc tcctttca tatacggtga ctctgcaaca ggaagggtgac	480
tggtggttgt catggagatc tgagccgcg agaaaagttt gctgtccaac aaatctactg	540
tgctaccata gtttgtgtca tataaatagt tctngtctt ccaggtgttc atgatggaag	600
gctcagtttgc ttcagtcttgc acaatgacat tgggtgttgc ctggAACAGGG tcactactgc	660
actggccgtt ccacttcaga tgctgcaagt tgctgttagag gagntgcccc gccgtccctg	720
ccgccccgggt gaactcctgc aaactcatgc tgcaaagggtg ctgcgggttg atgtcgaact	780
cntggaaagg gataacaattt gcatccagct gggttgttgc caggaggtga tggagccact	840
cccacacccgt gt	852
<210> 45	
<211> 234	
<212> DNA	
<213> Homo sapien	
<400> 45	
acaacagacc cttgctcgct aacgacacta tgctcatcaa gttggacgaa tccgtgtccg	60
agtctgacac catccggagc atcagcattt cttcgcagtg ccctaccgcg gggaaactttt	120
gcctcggttgc tggctgggtt ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg	180
tgaacgtgtc ggttgtgtct gaggaggtct gcgttaagct ctatgacccg ctgt	234
<210> 46	
<211> 590	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (590)	
<223> n = A,T,C or G	
<400> 46	
actttttatt taaatgttta taaggcagat ctatgagaat gatagaaaaac atggtgtgtta	60
atttgatagc aatattttgg agattacaga gtttttagtaa ttaccaatta cacagttaaa	120
aagaagataa tatattccaa gcanatacaa aatatctaatt gaaagatcaa ggcaggaaaa	180
tgantataac taattgacaa tggaaaatca attttatgtt gaattgcaca ttatccttta	240
aaagcttca aaanaaanaa ttattgcagt ctanttaatt caaacagtgt taaatggtat	300
caggataaa aactgaaggg canaaagaat taattttcac ttcatgtaac ncacccanat	360
ttacaatggc ttaaatgcan gaaaaaagca gtggaaagttag ggaagtantic aaggctttc	420
tggctcttac tctgccttac tctttgggtt tggctttgtat cctctggaga cagctgccag	480
ggctcctgtt atatccacaa tcccagcagc aagatgaagg gataaaaag gacacatgct	540
gccttcctt gaggagactt catctcactg gccaacactc agtcacatgt	590
<210> 47	
<211> 774	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (774)	
<223> n = A,T,C or G	
<400> 47	
acaagggggc ataatgaagg agtggggana gatTTAAAG aaggaaaaaa aacgaggccc	60
tgaacagaat ttccctgnac aacggggctt caaaataatt ttcttgggaa ggttcaagac	120

gcttcactgc ttgaaactta aatggatgtg ggacanaatt ttctgtaatg accctgaggg	180
cattacagac gggactctgg gaggaaggat aaacagaaaag gggacaaaagg ctaatccaa	240
aacatcaaag aaaggaaggt ggcgtcatac ctcccagct acacagtct ccagggctct	300
cctcatccct ggaggacgac agtggaggaa caactgacca tgtccccagg ctccctgtgt	360
ctggctcctg gtcttcagcc cccagctctg gaagcccacc ctctgctgat cctgcgtggc	420
ccacactcct tgaacacaca tccccaggtt atattcctgg acatggctga acctcctatt	480
cctacttccg agatgccttg ctccctgcag cctgtcaaaa tcccactcac cctccaaacc	540
acggcatggg aaggctttct gacttgcctg attactccag catcttgaa caatccctga	600
ttccccactc cttagaggca agatagggtg gttaagaga gggctggacc acttggagcc	660
aggctgctgg cttaaaattt tggctcattt acgagctatg ggaccttggg caagtnatct	720
tcacttctat gggcntcatt ttgttctacc tgcaaaaatgg gggataataa tagt	774
<210> 48	
<211> 124	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(124)	
<223> n = A,T,C or G	
<400> 48	
canaaaattga aattttataa aaaggcattt ttctcttata tccataaaat gatataattt	60
ttagcaantat anaaatgtgt cataaaattat aatgttccctt aattacagct caacgcaact	120
tggt	124
<210> 49	
<211> 147	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(147)	
<223> n = A,T,C or G	
<400> 49	
gccgatgcta ctattttattt gcaggagggtg ggggtgtttt tattattctc tcaacagctt	60
tgtggctaca ggtgggtgtct gactgcatna aaaantttt tacgggtgat tgcaaaaattt	120
tttagggcacc catatccaa gcantgt	147
<210> 50	
<211> 107	
<212> DNA	
<213> Homo sapien	
<400> 50	
acattaaattt aataaaagga ctgttgggt tctgctaaaa cacatggctt gatatattgc	60
atggttttag gtagggagga gttaggcata tgttttggga gaggggt	107
<210> 51	
<211> 204	
<212> DNA	
<213> Homo sapien	

<400> 51
 gtccttagaa gtc tagggaa cacacgactc tgggtcacg gggccgacac acttgcacgg 60
 cgggaaggaa agg cagagaa gtgacaccgt cagggggaaa tgacagaaaag gaaaatcaag 120
 gccttgc aag gtc agaaagg ggactcaggg cttccaccac agccctgccc cacttggcca 180
 cctccctttt gggaccagca atgt 204

<210> 52
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (491)
 <223> n = A,T,C or G

<400> 52
 acaaagataa catttatctt ataaca aaaa tttgatagtt ttaaaggta gtattgtgt 60
 ggg tattttc caaaagacta aagagataac tcaggtaaaa agttagaaat gtataaaaaca 120
 ccatcagaca ggtttttaaa aaacaacata ttacaaaatt agacaatcat cttaaaaaaa 180
 aaaacttctt gtatcaattt cttttgttca aatgactga cttaantatt tttaaatatt 240
 tcanaaacac ttctcaaaa atttcaana tggtagctt canatgtnc ctcagtccca 300
 atg tgc tca gataaataaa tctcgtgaga acttaccacc caccacaagc tttctgggc 360
 atgcaacagt gtctttctt tncttttctt tttttttt. ttacaggcac agaaactcat 420
 caattttatt tggataacaa agggctcca aattatattg aaaaataaat ccaagttaat 480
 atcactctt g t 491

<210> 53
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (484)
 <223> n = A,T,C or G

<400> 53
 acataat tta gcaggctaa ttaccataag atgctattt ttaanaggtt tatgatctga 60
 gtattaacag ttgctgaagt ttgg tatttt tatgcagcat tttctttt ctttgataac 120
 actacagaac ccttaaggac actgaaaatt agtaagtaa gttcagaaac attagctgct 180
 caatcaa atc tctacataac actatagtaa taaaacgtt aaaaaaaagt gttgaaatct 240
 gcaactat anaccgctcc tgcaggata anactgctt ggaacagaaa gggaaaaanc 300
 agctttgant ttctttgtgc tgc 360
 aatgattggc aggtcnggta aatnccaaa catattccaa ctcaacactt cttttccncg 420
 tancttgant ctgtgtattc caggancagg cggatgaaat gggccagccc ncggatgttc 480
 cant 484

<210> 54
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 54

actaaacctc gtgcttgta actccataca gaaaacggtg ccatccctga acacggctgg	60
ccactggta tactgctgac aaccgcaaca aaaaaaacac aaatccttgg cactggctag	120
tctatgtcct ctcagaatgcc tttttgttg t.	151
<210> 55	
<211> 91	
<212> DNA	
<213> Homo sapien	
<400> 55	
acctggcttg tctccgggtg gttccggcg ccccccacgg tccccagaac ggacactttc	60
gcctccagg ggatactcga gccaaggatgg t	91
<210> 56	
<211> 133	
<212> DNA	
<213> Homo sapien	
<400> 56	
ggcggatgtg cgttggttat atacaatat gtcattttat gtaagggact ttagtatact	60
tggatttttgg tatactgtgg gttggggggc cggccaggaa accaatacccatggatacc	120
aaggacaaac tgt	133
<210> 57	
<211> 147	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(147)	
<223> n = A,T,C or G	
<400> 57	
actctggaga acctgagccg ctgctccgcc tctggatga ggtgatgcan gcngtggcgc	60
gactgggagc tgagcccttc ccttgcgcc tgcctcagag gattttgcc gacntgcana	120
tctcantggg ctggatncat gcagggt	147
<210> 58	
<211> 198	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(198)	
<223> n = A,T,C or G	
<400> 58	
acagggatata ggttttaag ttattgtat taaaatatac attgaatttt ctgtataactc	60
tgattacata catttacctt taaaaaaaaga tgtaaatctt aattttatg ccatctatta	120
atttaccaat gagttacctt gtaaatgaga agtcatgata gcactgaatt ttaacttagtt	180
ttgacttcta agtttgggt	198
<210> 59	

<211> 330	
<212> DNA	
<213> Homo sapien	
<400> 59	
acaacaaatg ggttgtgagg aagtcttatac agcaaaaactg gtgatggcta ctgaaaagat	60
ccattgaaaa ttatcattaa tgattttaaa tgacaagtta tcaaaaactc actcaatttt	120
cacctgtgct agcttgctaa aatgggagtt aactctagag caaatatagt atcttctgaa	180
tacagtcaat aaatgacaaa gccagggcct acaggtggtt tccagacttt ccagaccagg	240
cagaaggaat ctatttatac acatggatct ccgtctgtgc tcaaaaatacc taatgatatt	300
tttcgtcttt attggacttc tttgaagagt	330
<210> 60	
<211> 175	
<212> DNA	
<213> Homo sapien	
<400> 60	
accgtgggtg ccttctacat tcctgacggc tccttcacca acatctggtt ctacttcggc	60
gtcgtggct ccttccttcatc cagctggtgc tgctcatcga ctttgcgcac	120
tcctggaacc agcggtggct gggcaaggcc gaggagtgcg attcccggtgc ctgg	175
<210> 61	
<211> 154	
<212> DNA	
<213> Homo sapien	
<400> 61	
accccacattt tcctcctgtg agcagtcgtt acttctcaact gctacatgat gagggtgagt	60
ggttgttgct cttcaacagt atcctccctt ttccggatct gctgagccgg acagcagtgc	120
tggactgcac agccccgggg ctccacattt ctgt	154
<210> 62	
<211> 30	
<212> DNA	
<213> Homo sapien	
<400> 62	
cgctcgagcc ctatagtgag tcgtattaga	30
<210> 63	
<211> 89	
<212> DNA	
<213> Homo sapien	
<400> 63	
acaagtcat tcagcaccct ttgctttca aaactgacca tctttatata ttaatgcttc	60
ctgtatgaat aaaaatggtt atgtcaagt	89
<210> 64	
<211> 97	
<212> DNA	
<213> Homo sapien	
<400> 64	

accggagtaa ctgagtcggg acgctgaatc tgaatccacc aataaataaa gggtctgcag	60
aatcagtgca tccaggattt gtccttggat ctgggg	97
<210> 65	
<211> 377	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (377)	
<223> n = A,T,C or G	
<400> 65	
acaacaanaa ntcccttctt taggccactg atggaaacctt ggaacccctt tttgatggca	60
gcatggcgctc cttaggccttg acacagcggc tggggtttgg gctntcccaa accgcacacc	120
ccaaaccctgg tctacccaca nttctggcta tgggctgtct ctgccactga acatcagggt	180
tcggtcataa natgaaatcc caangggac agaggtcagt agaggaagct caatgagaaa	240
ggtgctgttt gctcagccag aaaacagctg cctggcattt gccgctgaac tatgaacccg	300
tgggggtgaa ctacccccc gaggaatcat gcctggcga tgcaanggtg ccaacaggag	360
gggcgggagg agcatgt	377
<210> 66	
<211> 305	
<212> DNA	
<213> Homo sapien	
<400> 66	
acgccttcc cttagaattt agggaaagaga ctgtcgccctg ctttcctccg ttgttgcgtg	60
agaacccgtg tgcccttcc caccatattt accctcgctc catctttgaa ctcaaacacg	120
aggaactaac tgccaccctgg tcctctcccc agtccccagt tcaccctcca tccctcacct	180
tcctccactc taaggatata caacactgccc cagcacaggg gccctgaatt tatgtggttt	240
ttatataattt ttaataaga tgcactttt gtcattttt aataaagtct gaagaatttt	300
tgttt	305
<210> 67	
<211> 385	
<212> DNA	
<213> Homo sapien	
<400> 67	
actacacaca ctccacttgc cttgtgaga cactttgtcc cagcacattt ggaatgctga	60
ggtcggacca gccacatctc atgtgcaaga ttgcccagca gacatcagggt ctgagagttc	120
cccttttaaa aaaggggact tgctaaaaaa agaagtctag ccacgattgt gtagagcagc	180
tgtgctgtgc tggagattca ctttgagag agttctccctc tgagacctga tcttttagagg	240
ctgggcagtc ttgcacatga gatggggctg gtctgatctc agcactcctt agtctgcttg	300
cctctcccaag ggccccagcc tggccacacc tgcttacagg gcactctcag atgcccatac	360
catagttct gtgcttagtgg accgt	385
<210> 68	
<211> 73	
<212> DNA	
<213> Homo sapien	
<400> 68	

acttaaccag atatattttt accccagatg gggatattct ttgtaaaaaa tgaaaataaa	60
gttttttaa tgg	73
<210> 69	
<211> 536	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (536)	
<223> n = A,T,C or G	
<400> 69	
actagtccag tgggtggaa ttccattgtg ttggggctc tcaccctcct ctcctgcagc	60
tccagcttg tgctctgcct ctgaggagac catggccag catctgagta ccctgctgct	120
cctgctggcc accctagctg tggccctggc ctggagccccc aaggaggagg ataggataat	180
cccggtggc atctataacg cagaccaa tgatgagttt gtacagcgtg cccttcactt	240
cgccatcagc gagtataaca aggccaccaa agatgactac tacagacgtc cgctgcgggt	300
actaagagcc aggaacaga ccgttgggg ggtgaattac ttcttcgacg tagaggtggg	360
ccgaaccata tgtaccaagt cccagccaa cttggacacc tgtgccttcc atgaacagcc	420
agaactgcag aagaaacagt tgtgctctt cggatctac gaagttccct ggggagaaca	480
gaangtccct gggtaaaatc caggtgtcaa gaaatcctan ggatctgttgc ccaggc	536
<210> 70	
<211> 477	
<212> DNA	
<213> Homo sapien	
<400> 70	
atgacccta acagggcccc tctcagccct cctaattgacc tccggcctag ccatgtgatt	60
tcacttccac tccataacgc tcctcataact aggctacta accaacacac taaccatata	120
ccaatgtatgg cgcgtatgtaa cacgagaaag cacataccaa ggccaccacca caccacctgt	180
ccaaaaaggc cttcgatcgtt ggataatcct attatttacc tcagaagttt ttttcttcgc	240
agggattttt ctgagccctt taccactcca gcctagccccc tacccccacaa cttaggaggc	300
actggccccc aacaggcatc accccgctaa atcccctaga agtcccactc ctaaacacat	360
ccgtattact cgcgtatgtaa gtatcaatca cctgagctca ccatagtcta atagaaaaca	420
accgaaacca aattattcaa agcactgctt attacaattt tactgggtct ctatttt	477
<210> 71	
<211> 533	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (533)	
<223> n = A,T,C or G	
<400> 71	
agagctataag gtacagtgtg atctcagctt tgcaaaccaca ttttctacat agatagttact	60
aggtattaaat agatatgtaa agaaagaaat cacaccatata ataatggtaa gattggttta	120
tgtgattttt gtggatattt tggcaccctt atatatgttt tccaaacttt cagcagttt	180
attatttcca taacttaaaa agtgagtttgg aaaaagaaaa tctccagcaa gcatctcatt	240
taaataaaagg tttgtcatct taaaaataac agcaatatgt gacttttaa aaaagctgtc	300
aaatagggtt gaccctacta ataatttata gaaatcattt aaaaacatc gaggatctca	360

agtcagtttgccttgaaaaataatcaaaatataactcttaga gaaatgtaca taaaagaatg
 cttcgttaattttggagtang aggttccctc ctcatttttgcattttttaaa aagtacatgg
 taaaaaaaaaa aattcacaac agtatataag gctgtaaaat gaagaattctt gcc 420
 480
 533

<210> 72
 <211> 511
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(511)
 <223> n = A,T,C or G

<400> 72

tattacggaa aaacacaccca cataattcaa ctancaaaga anactgcttc agggcgtgta 60
 aaatgaaagg cttccaggca gttatctgat taaagaacac taaaagaggg acaaggctaa 120
 aagccgcagg atgtctcacac tatancaggc gctatgggg ttggctggag gagctgtgga 180
 aaacatggan agattggtgc tgganatcgc cgtggctatt cctcattgtt attacanagt 240
 gaggttctct gtgtgcccac tgggttggaaa accgttctnc aataatgata gaatagtaca 300
 cacatgagaa ctgaaaatggc ccaaaccagg aaagaaaagcc caactagatc ctcagaanac 360
 gcttcttaggg acaataaccg atgaagaaaa gatggcctcc ttgtgcccccc gtctgttatg 420
 atttctctcc attgcagcna naaaccctt cttctaagca aacncagggtg atgatggcna 480
 aaatacaccc cctcttgaag naccnggagg a 511

<210> 73
 <211> 499
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(499)
 <223> n = A,T,C or G

<400> 73

cagtgcacactggtgccca gtaccagtac caataacagt gccagtgcac gtgccagcac 60
 cagtggcgttgc ttcagtgtgt gtgcacgcct gaccgcact ctcacatttgc ggctcttcgc 120
 tggccttgggt ggagctgggt ccagcaccag tggcagctct ggtgcctgtg gtttctccta 180
 caagttagat ttttagatatt gttaatcctg ccagtcttc tcttcaagcc aggggtgcattc 240
 ctcagaaacc tactcaacac agcactctag gcagccacta tcaatcaattt gaagttgaca 300
 ctctgcatttta aatctatttgc ccatttctgaa aaaaaaaaaaaa aaaaaaaaggg cggccgctcg 360
 antcttagagg gcccgtttaa acccgctgtat cagcctcgac tttgccttctt anttgcac 420
 catctgttgc ttgccccctcc cccgntgcct tccttgaccc tgaaaagtgc cactcccact 480
 gtcctttcctt aantaaaat 499

<210> 74
 <211> 537
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 74
 tttcatagga gaacacactg aggagatact tgaagaattt ggattcagcc gcgaagagat 60
 ttatcagctt aactcagata aaatcattga aagtaataag gtaaaagcta gtctctaact 120
 tccaggccca cggctcaagt gaatttgaat actgcattt cagtgtagag taacacataa 180
 cattgtatgc atgaaacat ggaggaacag tattacagtg tcctaccact ctaatcaaga 240
 aaagaattac agactctgat tctacagtga tgattgaatt ctaaaaatgg taatcattag 300
 ggctttgat ttataanact ttgggtactt atactaaatt atggtagtta tactgccttc 360
 cagtttgctt gatataattt gtgatattaa gattcttgc ttatatttt aatgggtct 420
 actgaaaaan gaatgatata ttcttgaaga catcgatata catttattta cactcttgat 480
 tctacaatgt agaaaatgaa ggaaatgccc caaattgtat ggtataaaaa gtcccggt 537

<210> 75
 <211> 467
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(467)
 <223> n = A,T,C or G

<400> 75
 caaanacaat tggtaaaaatgaa tacactactg ctgcagctca caaacaccc 60
 tgcattttac acgtacccctt tcctgctcct caagtagtgtt ggtcttattt gccatcatca 120
 cctgctgtct gcttagaaga acggctttctt gctgcaangg agagaaatca taacagacgg 180
 tggcacaagg agggccatctt ttcctcattcg gttattgtcc ctagaagcgt cttctgagga 240
 tcttagttggg ctttcttctt gggtttggc catttcantt ctcattgtgtg tactatttta 300
 tcattattgt ataaacgggtt tcaaaccngt gggcacncag agaacctcac tctgtataaa 360
 caatgagggaa tagccacggg gatctccagc accaaatctc tccatgttnt tccagagctc 420
 ctccagccaa cccaaatagc cgctgctatn gtgtagaaca tccctgn 467

<210> 76
 <211> 400
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(400)
 <223> n = A,T,C or G

<400> 76
 aagctgacag cattcggggcc gagatgtctc gtcgggtggc cttagctgtg ctgcgcgtac 60
 tctctctttc tggcctggag gctatccagc gtactccaaa gattcagggt tactcacgtc 120
 atccagcaga gaatggaaag tcaaatttcc tgaattgcta tgtgtctggg tttcatccat 180
 ccgacattga agttgactta ctgaagaatg gagagagaat tggaaaaatgt gggcattcag 240
 acttgcctt cagcaaggac tggtcttctt atctcttgc ttagactgaa ttcaccccca 300
 ctggaaaaga tgagtatgcc tgccgtgtga accatgtgac tttgtcacag cccaaagatng 360
 ttnagtggaa tgcacatgt taaggcagcan catgggaggt 400

<210> 77
 <211> 248
 <212> DNA
 <213> Homo sapien

<400> 77
 ctggagtgcc ttgtgtttc aagccctgc aggaagcaga atgcacccctc tgaggcacct 60
 ccagctgccccc cggcgaaaaa tgcgaggctc ggagcaccct tgcccgctg tgattgctgc 120
 caggcactgt tcatctcagc tttctgtcc ctttgctccc ggcaagcgct tctgctgaaa 180
 gttcatatct ggagcctgat gtcttaacga ataaaggccc catgctccac ccgaaaaaaa 240
 aaaaaaaaaa 248

<210> 78
 <211> 201
 <212> DNA
 <213> Homo sapien

<400> 78
 actagtcacatg tgggtggaa ttccattgtt ttggggccaa cacaatggct acctttaaca 60
 tcacccagac cccgcctgc ccgtgccccca cgctgctgct aacgacagta tgatgcttac 120
 tctgctactc ggaaactatt tttatgtat taatgtatgc tttcttggaa ataaatgcct 180
 gattttaaaaa aaaaaaaaaaa a 201

<210> 79
 <211> 552
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 79
 tcctttgtt aggttttga gacaacccta gacctaaact gtgtcacaga cttctgaatg 60
 ttttaggcagt gctagtaatt tcctcgtaat gattctgtt ttacccctt attctttatt 120
 cctctttctt ctgaagatta atgaagttga aaattgaggt ggataaatac aaaaaggtag 180
 tggatagta taagtatcta agtgcagatg aaagtgtttt atatatatcc attcaaaatt 240
 atgcaagttt gtaattactc agggtaact aaattactt aatatgtgt tgaacctact 300
 ctgttcctt gctagaaaaa attataaaca ggactttgtt agttggaa gccaaattga 360
 taatattcta tggctaaaaa gttggctat acataaanta tnaagaata tggattttta 420
 ttcccagaaa tatggggttt atttatgaat antacccggg anagaagtt tgantnaaac 480
 cngttttgtt taatacgta atatgcctn aatnaacaag gcntgactta tttccaaaaa 540
 aaaaaaaaaa aa 552

<210> 80
 <211> 476
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

<400> 80
 acagggattt gagatgctaa ggccccagag atcggttgc ccaaccctct tattttcaga 60
 gggggaaaaatg gggcctagaa gttacagagc atctagctgg tgcgctggca cccctggct 120
 cacacagact cccgagtagc tggactaca ggcacacagt cactgaagca ggcacccgttt 180

gcaattcacg ttgcccacctc caacttaaac attcttcata tgtgatgtcc ttagtcacta	240
aggtaact ttcccaccca gaaaaggcaa cttagataaa atcttagagt actttcatac	300
tcttctaagt cctcttccag cctcactttg agtcctcctt ggggttgat aggaantntc	360
tcttggcttt ctcaataaaa tctctatcca tctcatgttt aatttggtag gcntaaaaat	420
gctgaaaaaaaaa taaaaatgtt ctggttcnc tttaaaaaaaaa aaaaaaaaaa aaaaaa	476
<210> 81	
<211> 232	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(232)	
<223> n = A,T,C or G	
<400> 81	
ttttttttg tatgcncnctn ctgtggngtt attgttgctg ccaccctgga ggagccca	60
ttcttctgta tctttctttt ctgggggatc ttccctggctc tgccctcctca ttcccagc	120
ctcatccccca tcttgcactt ttgcttagggt tggaggcgtt ttccctggtag cccctcagag	180
actcagtcag cggaaataag tccttaggggt ggggggtgtg gcaagccgc ct	232
<210> 82	
<211> 383	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(383)	
<223> n = A,T,C or G	
<400> 82	
aggcgggagc agaagctaaa gccaaagccc aagaagagtgcagtgccag cactggtgcc	60
agtaccagta ccaataacat gccagtgcctt gtgccagcac cagttggcgtt tcagtgtc	120
gtgccagcctt gaccgcact ctcacatttggctcttcgc tggccttgggt ggagctgg	180
ccagcaccag tggcagctctt ggtgcctgtt gtttctccta caagtggat ttttagatatt	240
gttaatccttgc ccaatcttttcttcaagcc aggggtgcattt ctcagaaacc tactcaacac	300
agcactctng gcagccacta tcaatcaattt gaagttgaca ctctgcattt aatctat	360
ccatttcaaaa aaaaaaaaaaaa aaa	383
<210> 83	
<211> 494	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(494)	
<223> n = A,T,C or G	
<400> 83	
accgaatttgg gaccgctggc ttataagcga tcatgtcctc cagtattacc tcaacgagca	60
gggagatcga gtctatacgc tgaagaaatt tgacccgatg ggacaacaga cctgctcagc	120
ccatcctgctt cgggtctccc cagatgacaa atactctcga caccgaatca ccatcaagaa	180

acgcttcaag gtgctcatga cccagcaacc	gcccctgtc ctctgagggt	ccttaaactg	240
atgtctttc tgccacctgt taccctcgg	agactccgta accaaactct	tcggactgtg	300
agccctgatg ccttttgcc agccataactc	tttggcntcc agtctctcg	ggcgattgat	360
tatgctgtg tgaggcaatc atggtggcat	cacccatnaa gggAACACAT	ttgantttt	420
tttcncatat tttaaattac naccagaata	tttcagaata aatgaattga	aaaactctta	480
aaaaaaaaaaa aaaa			494

<210> 84
 <211> 380
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(380)
 <223> n = A,T,C or G

<400> 84			
gctggtagcc tatggcgtgg ccacggangg	gctcctgagg cacggacag	tgacttccca	60
agtatcctgc gccgcgtctt	ctaccgtccc tacctgcaga	tttcgggca gattccccag	120
gaggacatgg acgtggccct	catggagcac agcaactgt	cgtcgagcc cggcttctgg	180
gcacaccctc ctggggccca	ggcgggcacc tgcgtctccc	agtatgccaa ctggctggtg	240
gtgctgctcc tcgtcatctt	cctgctcg	gccaacatcc tgctggtcac ttgctcattg	300
ccatgttcag ttacacattc	ggcaaagtac	aggcaacag cnatctctac tggaaaggcc	360
agcgtnccg cctcatccgg			380

<210> 85
 <211> 481
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 85			
gagttagctc ctccacaacc ttgatgaggt	cgtctgcagt ggcctctcg	ttcataccgc	60
tnccatcg	atactgtagg tttgccacca	cctcctgc	120
ggaaactctc	aatcaagtca	cttggggcgg	180
tgtgaaagga	tctccagaag	cttccccac	240
gtcgattctg	catgtccagc	actttgtat	300
ctatcatgcc	nttgaacgtg	tgacagttag	360
ccagattctg	cattaccaga	gtcaccagcc	420
aaagaacacc	nagccgtggc	gnagtctcac	480
t	aaaaganatt	ccaggnngaa	481

<210> 86
 <211> 472
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(472)

<223> n = A,T,C or G

<400> 86

aacatcttcc tgtataatgc tgtgtaatat cgatccgatn ttgtctgctg agaattcatt	60
acttggaaaa gcaacttnaa gcctggacac tggattaaa attcacaata tgcaacactt	120
taaacagtgt gtcaatctgc tcccttactt tgtcatcacc agtctggaa taagggtatg	180
ccctattcac acctgttaaa agggcgctaa gcattttga ttcaacatct tttttttga	240
cacaagtccg aaaaaagcaa aagtaaacag ttnttaatt gtagccaat tcactttctt	300
catgggacag agccattga tttaaaaagc aaattgcata atattgagct ttgggagctg	360
atatntgagc ggaagantag cttttctact tcaccagaca caactcctt catattggga	420
tgttnacnaa agttatgtct cttacagatg ggatgcttt gtggcaattc tg	472

<210> 87

<211> 413

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(413)

<223> n = A,T,C or G

<400> 87

agaaaccagt atctctnaaa acaaccctctc ataccttgcg gacctaattt tgtgtgcgtg	60
tgtgtgcg cgcatattat atagacaggc acatctttt tacttttga aaagcttatg	120
cctcttggt atctatatct gtgaaagttt taatgatctg ccataatgtc ttggggacct	180
ttgtcttctg tgtaaatggt actagagaaa acacctatnt tatgagtcaa tctagttngt	240
tttattcgac atgaaggaaa tttccagatn acaacactna caaactctcc cttgactagg	300
ggggacaaag aaaagcanaa ctgaacatna gaaacaatn cctggtgaga aatncataaa	360
acagaaattt ggtngtatat tgaaanannn catcattnaa acgtttttt ttt	413

<210> 88

<211> 448

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(448)

<223> n = A,T,C or G

<400> 88

cgcagcggt cctctctatc tagctccagc ctctcgccctg cccccactccc cgcgccccgc	60
gtccttagccn accatggccg ggccctgcg cgccccgcgtg ctccctgcgtgg ccatcctggc	120
cgtggccctg gccgtgagcc ccgcggccgg ctccagtcgg ggcaagccgc cgccgcctgg	180
gggaggccca tggaccccgc gtggaagaag aaggtgtgcg gcgtgcactg gactttgcgg	240
tcggcnanta caacaaaccc gcaacnactt ttaccnagn cgcgctgcag gttgtgcgc	300
cccaanncaa ttgttactng ggttaantaa ttcttggaaag ttgaacctgg gccaaacnng	360
tttaccagaa ccnagccat tngaacaatt nccctccat aacagccccct tttaaaaagg	420
gaancantcc tgntctttc caaatttt	448

<210> 89

<211> 463

<212> DNA

<213> Homo sapien

```

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 89
gaattttgtg cactggccac tgtgatggaa ccattggcc aggatgctt gagtttatca 60
gtatgtatc tgccaaagtt ggtgtttaa catgagttatg taaaatgtca aaaaatttagc 120
agaggtctag gtctgcataat cagcagacag tttgtccgtg tattttgttag ccttgaagtt 180
ctcagtgaca agttnnttct gatgcgaagt tctnattcca gtgttttagt ccttgcac 240
tttnatgtt agacttgcct ctntnaaatt gctttgtnt tctgcaggta ctatctgtgg 300
tttaacaaaa tagaannact tctctgctt gaanatttga atatcttaca tctnaaaatn 360
aattctctcc ccatannaaa acccangccc ttggganaat ttgaaaaang gntccttcnn 420
aattcnnana anttcagnntn tcataacaaca naacngganc ccc 463

<210> 90
<211> 400
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 90
.agggatttggaa gytctnttnt actgtcggac tgttcancca ccaactctac aagttgctgt 60
cttccactca ctgtctgtaa gcntnttaac ccagactyta tcttcataaaa tagaacaaaat 120
tcttcaccag tcacatcttc taggaccttt ttggatttagt ttagtataag ctcttcact 180
tcctttgtta agacttcata tggtaaagtc ttaagtttg tagaaaggaa tttaaattgct 240
cgttctctaa caatgtcctc tccttgaagt atttggctga acaacccacc tnaagtccct 300
ttgtgcatcc attttaata tacttaatag ggcattggtn cactaggta aattctgcaa 360
gagtcatctg tctgcaaaag ttgcgttagt atatctgcca 400

<210> 91
<211> 480
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 91
gagctcgat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact 60
ggcttacccc acatgggagc agcatgccgt agntatataa ggtcattccc tgagtcaagc 120
atgcctcttt gactaccgtg tgccagtgc ggtgattctc acacacctcc nnccgcttt 180
tgtggaaaaa ctggcacttg nctggaaacta gcaagacatc acttacaaaat tcacccacga 240
gacacttgaa aggtgtaaaca aagcgactct tgcattgctt tttgtccctc cggcaccagt 300
tgtcaataact aacccgctgg tttgcctcca tcacattgt gatctgtgc tctggataca 360
tctcctgaca gtactgaaga acttcttctt ttgtttcaaa agcaactctt ggtgcctgtt 420
ngatcagggt cccatttccc agtccgaatg ttcacatggc atatnttact tcccacaaaa 480

```

```

<210> 92
<211> 477
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

<400> 92
atacagccca natccccacca cgaagatgcg cttgttgact gagaacctga tgcggtcact 60
ggtcccgctg tagccccagc gactctccac ctgctggaag cggttgcgtgc tgcactcctt 120
cccacgcagg cagcagcggg gccggtaaat gaactccact cgtggcttgg gttgacggt 180
taantgcagg aagaggctga ccacctcgcg gtccaccagg atgcccact gtgcgggacc 240
tgcagcgaaa ctcctcgatg gtcatgagcg ggaagcgaat gangcccagg gccttgccca 300
gaaccttccg cctgttctct ggcgtcacct gcagctgctg ccgctnacac tcggcctcgg 360
accagcggac aaacggcggtt gaacagccgc acctcacgga tgcccantgt gtcgcgtcc 420
aggaacggcn ccagcgtgtc caggtcaatg tcggtaanc ctccgcgggt aatggcg 477

<210> 93
<211> 377
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(377)
<223> n = A,T,C or G

<400> 93
gaacggctgg accttgcctc gcattgtgct gctggcagga ataccttggc aagcagctcc 60
agtccgagca gccccagacc gctgccgccc gaagctaagc ctgcctctgg cttcccccctc 120
cgcctcaatg cagaaccant agtgggagca ctgtgtttag agttaagagt gaacactgtn 180
tgattttact tggaaatttc ctctgttata tagctttcc caatgctaattt tccaaacaa 240
caacaacaaa ataacatgtt tgccgttna gttgtataaa agtangtgat tctgtatnta 300
aagaaaatat tactgttaca tatactgctt gcaantctg tatttattgg ntctctggaa 360
ataaaatataat tattaaa 377

<210> 94
<211> 495
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

<400> 94
ccctttgagg ggttagggtc cagttcccaag tggaagaaac aggccaggag aantgcgtgc 60
cgagctgang cagatttccc acagtgaccc cagagccctg ggctataagtc tctgaccctt 120
ccaaggaaag accaccttct gggacatgg gctggagggc aggacctaga ggcaccaagg 180
gaaggccccca ttccggggct gttcccccagag gaggaaggaa aggggctctg tttggccccc 240
acqagqaana qccctqant cctqqqatca nacaccctt cacqtqatc cccacacaaa 300

```

tgcaagctca ccaaggtccc ctctcagtcc cttccctaca ccctgaacgg ncactggccc	360
acacccaccc agancancca cccgccccatgg ggaatgtntcaaggaatcg cnngggcaacg	420
tggactctng tcccnnaagg gggcagaatc tccaaatagan gganngaacc cttgctnana	480
aaaaaaaaaaa aaaaaa	495

<210> 95
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

<400> 95	
ggttacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc	60
cctctggaaag ccttgcgcag agcggacttt gtaattgtg gagaataact gctgaatttt	120
tagctgtttt gagttgattc gcaccactgc accacaactc aatatgaaaa ctattnact	180
tatttattat cttgtgaaaa gtatacaatg aaaattttgt tcataactgta ttatcaagt	240
atgatgaaaa gcaatagata tatattctt tattatgtn aattatgatt gccattatta	300
atcggcaaaa tggggagtgt atgttcttt cacagtaata tatgccttt gtaacttcac	360
ttggttattt tattgtaaat gaattacaaa attcttaatt taagaaaatg gtangttata	420
tttatttcan taatttctt cttgtttac gtaattttg aaaagaatgc at	472

<210> 96
 <211> 476
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

<400> 96	
ctgaaggcatt tcttcaaact tntctacttt tgcattgtat acctgttagta agttgacaat	60
gtggtaaat ttcaaaatta tatgtaaactt ctactagtt tactttctcc cccaaagtctt	120
ttttaactca tgattttac acacacaatc cagaacttat tatatacgct ctaagtctt	180
attcttcaca gtagatgatg aaagagtctt ccagtgtctt gngcanaatg ttctagntat	240
agctggatac atacngtgaaa agttctataa actcataacct cagtgggact naaccaaaaat	300
tgtgttagtc tcaattccta ccacactgag ggagcctccc aaatcactat attcttatct	360
gcaggtactc ctccagaaaa acngacaggg caggcttgca tgaaaaagtn acatctgcgt	420
tacaaaagtct atttcctca nangtctgtn aaggaacaat ttaatcttct agctt	476

<210> 97
 <211> 479
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 97
 actctttcta atgctgatat gatcttgagt ataagaatgc atatgtcaact agaatggata 60
 aaataatgct gcaaacttaa tttcttatg caaaatggaa cgctaatgaa acacagctta 120
 caatcgcaaa tcaaactca caagtgtca tctgtttagt atttagtgtataaataagactta 180
 gattgtgctc cttcgatat gattgttct canatcttgg gcaatnttcc ttagtcaaata 240
 caggctacta gaattctgtt attggatatn tgagagcatg aaattttaa naatacactt 300
 gtgattatna aattaatcac aaatttcaact tatacctgtt atcagcagct agaaaaacat 360
 ntnntttta natcaaagta ttttgtt ggaantgtnn aaatgaaatc tgaatgtggg 420
 ttcnatctta tttttcccn gacnactant tncttttta gggnctattc tgancatc 479

<210> 98
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 98
 agtgacttgt cctccaacaa aacccttga tcaagttgtt ggcactgaca atcagaccta 60
 tgctagtcc tgcatactat tcgctactaa atgcagactg gaggggacca aaaaggggca 120
 tcaactccag ctggattatt ttggagcctg caaatctatt cctacttgc tggactttga 180
 agtgattcag tttctctac ggatgagaga ctggctcaag aatatcctca tgcagcttta 240
 tgaagccact ctgaacacgc tggtatcta gatgagaaca gagaataaa gtcagaaaat 300
 ttacctggag aaaagaggct ttggctgggg accatccat tgaaccttct cttaggact 360
 ttaagaaaaa ctaccacatg ttgttatcc tggtgccggc cgttatgaa ctgaccaccc 420
 tttggaataa tcttgacgct cctgaacttg ctccctctgcg a 461

<210> 99
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 99
 gtggccgcgc gcaggtgttt cctcgtaaccg cagggcccccc tcccttcccccc aggcgtccct 60
 cggccctct gcggggccga ggaggagcgg ctggcgggtg ggggaggtgt gaccaccc 120
 cggtgagaaa agcctctct agcgatctga gaggcgtgcc ttgggggtac c 171

<210> 100
 <211> 269
 <212> DNA
 <213> Homo sapien

<400> 100
 cggccgcgaag tgcaactcca gctggggccg tgcggacgaa gattctgcca gcagttggtc 60
 cgactgcac gacggcggcg ggcacagtcg caggtgcagc gcggccgcct ggggtcttgc 120
 aaggctgagc tgacgcccga gaggtcgtgt cacgtccac gaccttgacg ccgtcgggg 180
 cagccggAAC agagccccgtt gaagcgggag gcctcgggga gcccctcggg aaggcggcc 240
 cgagagatac gcaggtgcag ttggccgc 269

<210> 101
 <211> 405
 <212> DNA
 <213> Homo sapien

<400> 101
 tttttttttt ttttggaaatc tactgcgagc acagcaggc agcaacaagt ttatggca 60
 gctagcaagg taacaggta gggcatggtt acatgttcag gtcaacttcc tttgtcgtgg 120

ttgattgggtt tgcctttatg ggggcgggggt ggggttagggg aaacgaagca aataacatgg	180
agtgggtgca ccctccctgt agaacctggt tacaagctt gggcagttc acctggctcg	240
tgaccgtcat ttcttgaca tcaatgttat tagaagtcag gatatctttt agagagtcca	300
ctgttctgga gggagattag gtttcttgc caaatccaaac aaaatccact gaaaaagttg	360
gatgatcagt acgaataccg aggcataattc tcatatcggt ggcca	405

<210> 102

<211> 470

<212> DNA

<213> Homo sapien

<400> 102

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	60
ggcacttaat ccatttttat ttcaaaatgt ctacaaattt aatcccatta tacgggtttt	120
tcaaaatcta aattattcaa attagccaa tccttaccaa ataataccca aaaatcaaaa	180
atatactct ttcagcaaac ttgttacata aattaaaaaa atatatacgg ctgggtgttt	240
caaagtacaa ttatcttaac actgcaaaca ttttaaggaa ctaaaataaa aaaaaacact	300
ccgcaaggt taaagggAAC aacaaattct ttacaacac cattataaaa atcatatctc	360
aaatcttagg ggaatatata cttcacacgg gatcttaact ttactcact ttgttttattt	420
ttttaaacca ttgtttggc ccaacacaat ggaatccccctt ctggactagt	470

<210> 103

<211> 581

<212> DNA

<213> Homo sapien

<400> 103

tttttttttt ttttttttga ccccccctttt ataaaaaaaca agttaaccatt ttatTTTact	60
tacacatatt tattttataa ttggtagttttt atattcaaaa ggcagctttt aaaatcaaac	120
taaatggaaa ctgccttaga tacataattc tttaggaattt gcttaaaatc tgcctaaagt	180
gaaaatctc tctagctttt ttgactgtttt atttttgact cttgtaaaac atccaaattt	240
atttttcttgc tctttaaaat tatctaattt ttccattttt tccctattcc aagtcaattt	300
gcttctctag cctcatttcc tagctctt atactattttt taagtggctt tttccttaaa	360
agggaaaaca ggaagagaaa tggcacacaa aacaaacatt ttatattcat atttctacct	420
acgtaataaa aatagcattt tgtgaagcca gctcaaaaga aggcttagat cttttatgt	480
ccatttttagt cactaaacga tatcaaagtg ccagaatgca aaagtttgtt gaacatttt	540
tcaaaagcta atataagata ttccacatac tcatctttctt g	581

<210> 104

<211> 578

<212> DNA

<213> Homo sapien

<400> 104

tttttttttt tttttttttt tttttttttt tttttttttt gaaatgagggatc tgagttttt	60
cactctctag atagggcatg aagaaaactc atctttccag cttaaaaata acaatcaaatt	120
ctcttatgtt atatcatatt ttaagttaaa ctaatgagtc actggctttt cttctcctga	180
aggaaaatctg ttcatcttc tcattcatat agttatatca agtactaccc ttgcatttttga	240
gaggtttttcc ttctctattt acacatataat ttccatgttca atttgttatca aacctttattt	300
ttcatgcaaa ctagaaaata atgtttcttt tgcataagag aagagaacaa tatagcattt	360
caaaaactgtt cttttttttt gttttttttt ccattataat tagttggcag gagctataac	420
aaatcacatt tacgacagca ataataaaac tgaagtttccca gttttttttt cttttttttt	480
aaaggaacat tttttttttt ggtttttttt gttttttttt gttttttttt tttttttttt	540
tgaattttttttt cttttttttt cttttttttt cttttttttt cttttttttt cttttttttt	578

<210> 105

<211> 538

<212> DNA

<213> Homo sapien

<400> 105

ttttttttt	ttttttagta	ataatcagaa	caatatttat	ttttatattt	aaaattcata	60
gaaaagtgc	ttacatttaa	taaaagttt	tttctcaaaag	tgatcagagg	aatttagatat	120
gtcttgaaca	ccaatattaa	tttgaggaaa	atacacccaa	atacattaag	taaatttattt	180
aagatcatag	agcttgttaag	tgaaaagata	aaatttgacc	tcagaaactc	tgagcattaa	240
aaatccacta	ttagcaaata	aattactatg	gacttcttgc	ttaattttg	tgatgaatat	300
gggggtgtcac	ttggtaaacc	acacattctg	aaggatacat	tacttagtga	tagattctta	360
tgtacttgc	taatacgtgg	atatgagttg	acaagttct	ctttcttcaa	tcttttaagg	420
ggcgagaaat	gaggaagaaa	agaaaaggat	tacgcatact	gttctttcta	tggaaggatt	480
agatatgtt	ccttgccaa	tattaaaaaa	ataataatgt	ttactactag	tgaaaccc	538

<210> 106

<211> 473

<212> DNA

<213> Homo sapien

<400> 106

ttttttttt	ttttttagtc	aagtttctat	tttttattata	attaaagtct	tggtcatttc	60
atttatttagc	tctgcaactt	acatatttaa	attaaagaaa	cgttttagac	aactgtacaa	120
tttataaaatg	taaggtgcca	ttatttagta	atatattctt	ccaagagttg	atgtgtccct	180
tctccccacca	actaatgaac	agcaacatta	gtttaatttt	attagtagat	atacactgtct	240
gcaaacgcta	attcttcttct	ccatccccat	gtgatattgt	gtatatgtgt	gagttggtag	300
aatgcacatcac	aacttacaat	caacagcaag	atgaagctag	gctggcctt	cggtaaaaat	360
agactgtgtc	tgtctgaatc	aatatgatctg	accttatecctc	ggtgcaaga	actcttcgaa	420
ccgcttcctc	aaaggcgctg	ccacatttgc	ggctctttgc	acttgcattca	aaa	473

<210> 107

<211> 1621

<212> DNA

<213> Homo sapien

<400> 107

cgccatggca	ctgcaggcga	tctcggtcat	ggagctgtcc	ggcctggccc	cggggccgtt	60
ctgtgtatg	gtctctggctg	acttcggggc	gcgtgtggta	cgcgtggacc	ggcccggttc	120
ccgctacgac	gtgagccgct	tggccgggg	caagcgctcg	ctagtgtgg	acctgaagca	180
gccgcgggga	gccgcgtgc	tgcggcgtct	gtgcaagcgg	tcggatgtgc	tgctggagcc	240
cttccgcgc	gggtgtcatgg	agaaactcca	gctggccca	gagattctgc	agcgggaaaa	300
tccaaggctt	attatgcca	ggctgagttg	atttggccag	tcaggaagct	tctgcgggtt	360
agctggccac	gatatacaact	atttggctt	gtcaggtgtt	ctctcaaaaa	ttggcagaag	420
tggtgagaat	ccgtatgccc	cgctgaatct	cctggctgac	tttgcgtgt	gtggccttat	480
gtgtgcactg	ggcattataa	tggctctttt	tgaccgcaca	cgcaactgaca	agggtcaggt	540
cattgtatca	aatatggtgg	aaggaacacgc	atatttaagt	tctttctgt	ggaaaactca	600
gaaatcgagt	ctgtgggaag	cacctcgagg	acagaacatg	ttggatggtg	gagcacctt	660
ctatacgtact	tacaggacag	cagatggga	attcatggct	gttggagcaa	tagaacccca	720
gttctacgag	ctgctgatca	aaggacttgg	actaaagtct	gatgaacttc	ccaatcgat	780
gagcatggat	gattggccag	aaatgaagaa	gaagtttgc	gatgtatttg	caaagaagac	840
gaaggcagag	tgggtgtcaa	tcttgacgg	cacagatgcc	tgtgtgactc	cggttctgac	900
ttttgaggag	gttggtcata	atgatcacaa	caaggaacgg	ggctcgttt	tcaccagtga	960
ggagcaggac	gtgagccccc	gccctgcacc	tctgctgtt	aacacccca	ccatcccttc	1020
tttcaaaagg	gatcctttca	taggagaaca	cactgaggag	atacttgaag	aatttggatt	1080

cagccgcgaa gagatttatc agcttaactc agataaaaatc attgaaaagta ataaggtaaa	1140
agctagtctc taacttccag gcccacggct caagtgaatt tgaatactgc atttacagtg	1200
tagagtaaca cataacattg tatgcatgga aacatggagg aacagtatta cagtgtccta	1260
ccactctaata caagaaaaaga attacagact ctgattctac agtcatgtatttgaattctaa	1320
aatggttatc attagggctt ttgattata aaactttggg tactatact aaattatgg	1380
agttattctg ccttccagtt tgcttgatatttggat attaagattc ttgacttata	1440
ttttgaatgg gttcttagtga aaaaggaatg atatattctt gaagacatcg atatacattt	1500
atttacactc ttgattctac aatgtagaaa atgagggaaat gccacaaatt gtatggat	1560
aaaagtcaac tgaaacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	1620
a	1621

<210> 108

<211> 382

<212> PRT

<213> Homo sapien

<400> 108

Met Ala Leu Gln Gly Ile Ser Val Met Glu Leu Ser Gly Leu Ala Pro	
1 5 10 15	
Gly Pro Phe Cys Ala Met Val Leu Ala Asp Phe Gly Ala Arg Val Val	
20 25 30	
Arg Val Asp Arg Pro Gly Ser Arg Tyr Asp Val Ser Arg Leu Gly Arg	
35 40 45	
Gly Lys Arg Ser Leu Val Leu Asp Leu Lys Gln Pro Arg Gly Ala Ala	
50 55 60	
Val Leu Arg Arg Leu Cys Lys Arg Ser Asp Val Leu Leu Glu Pro Phe	
65 70 75 80	
Arg Arg Gly Val Met Glu Lys Leu Gln Leu Gly Pro Glu Ile Leu Gln	
85 90 95	
Arg Glu Asn Pro Arg Leu Ile Tyr Ala Arg Leu Ser Gly Phe Gly Gln	
100 105 110	
Ser Gly Ser Phe Cys Arg Leu Ala Gly His Asp Ile Asn Tyr Leu Ala	
115 120 125	
Leu Ser Gly Val Leu Ser Lys Ile Gly Arg Ser Gly Glu Asn Pro Tyr	
130 135 140	
Ala Pro Leu Asn Leu Leu Ala Asp Phe Ala Gly Gly Leu Met Cys	
145 150 155 160	
Ala Leu Gly Ile Ile Met Ala Leu Phe Asp Arg Thr Arg Thr Asp Lys	
165 170 175	
Gly Gln Val Ile Asp Ala Asn Met Val Glu Gly Thr Ala Tyr Leu Ser	
180 185 190	
Ser Phe Leu Trp Lys Thr Gln Lys Ser Ser Leu Trp Glu Ala Pro Arg	
195 200 205	
Gly Gln Asn Met Leu Asp Gly Gly Ala Pro Phe Tyr Thr Thr Tyr Arg	
210 215 220	
Thr Ala Asp Gly Glu Phe Met Ala Val Gly Ala Ile Glu Pro Gln Phe	
225 230 235 240	
Tyr Glu Leu Leu Ile Lys Gly Leu Gly Leu Lys Ser Asp Glu Leu Pro	
245 250 255	
Asn Gln Met Ser Met Asp Asp Trp Pro Glu Met Lys Lys Phe Ala	
260 265 270	
Asp Val Phe Ala Lys Lys Thr Lys Ala Glu Trp Cys Gln Ile Phe Asp	
275 280 285	
Gly Thr Asp Ala Cys Val Thr Pro Val Leu Thr Phe Glu Glu Val Val	
290 295 300	

His His Asp His Asn Lys Glu Arg Gly Ser Phe Ile Thr Ser Glu Glu
 305 310 315 320
 Gln Asp Val Ser Pro Arg Pro Ala Pro Leu Leu Leu Asn Thr Pro Ala
 325 330 335
 Ile Pro Ser Phe Lys Arg Asp Pro Phe Ile Gly Glu His Thr Glu Glu
 340 345 350
 Ile Leu Glu Glu Phe Gly Phe Ser Arg Glu Glu Ile Tyr Gln Leu Asn
 355 360 365
 Ser Asp Lys Ile Ile Glu Ser Asn Lys Val Lys Ala Ser Leu
 370 375 380

<210> 109
 <211> 1524
 <212> DNA
 <213> Homo sapien

<400> 109

ggcacgaggg	tgcgccaggg	cctgagcgga	ggcgggggca	gcctcgccag	cggggggccccc	60
gggcctgcc	atgcctca	gagccagcgc	ctgcgcctct	acctcgccga	cagctggAAC	120
cagtgcgacc	tagtggtct	cacctgcttc	ctcctggcg	tgggctggcg	gctgaccccg	180
ggtttgtacc	acctgggccc	cactgtcctc	tgcatcgact	tcatggttt	cacgggtcg	240
ctgcttcaca	tcttcacgg	caacaaacag	ctggggccca	agatcgcat	cgtgagcaag	300
atgatgaagg	acgtgttctt	cttccttc	ttcctcgccg	tgtggctgg	agcctatggc	360
gtggccacgg	aggggctcct	gaggccacgg	gacagtga	tcccaagtat	cctgcccgc	420
gtcttctacc	gtccctaccc	gcagatctc	gggcagattc	cccaggagga	catggacgt	480
gcccctatgg	agcacagcaa	ctgctcgtcg	gagcccggt	tctgggcaca	ccctcctgg	540
gcccaggccg	gcacctgcgt	ctccca	gccaactggc	tgggggtgc	gctcctcg	600
atcttcctgc	tcgtggccaa	catcctgctc	gtcaacttgc	tcattgccc	gttcagttac	660
acattcggca	aagtagcagg	caacagcgat	ctctactgga	aggccagcg	ttaccgc	720
atccgggaat	tccactctcg	gcccgcgt	gccccccct	ttatcgcat	ctcccacttg	780
cgccctcctgc	tcaggcaatt	gtgcaggcga	ccccggagcc	cccagccgc	ctccccggcc	840
ctcgagcatt	tccgggttta	ccttctaa	gaagccgagc	ggaagctgc	aacgtggaa	900
tcggtgata	aggagaactt	tctgctggca	cgcgcgt	aggacggga	gagcgactcc	960
gagcgtctga	agcgcacgtc	ccagaagg	gacttggcac	tgaaacagct	gggacacatc	1020
cgcgagta	aacagcgcc	gaaagtgc	gagcgggagg	tccagcagt	tagccgc	1080
ctgggggtgg	tggccgag	cctgagccgc	tctgccttg	tgcctccagg	tggccgcca	1140
ccccctgacc	tgcctggc	caaagactga	gccctgtgg	cggacttcaa	ggagaagccc	1200
ccacaggg	ttttgtcc	agagtaaggc	tcatctggc	ctcgcccc	gcacctgg	1260
gcctgtcc	tgaggtgagc	ccatgtcca	tctggccac	tgtcaggacc	accttgg	1320
gtgtcatct	tacaaaccac	agcatgccc	gctctccca	gaaccagtcc	cagcgtgg	1380
gatcaaggc	ctggatccc	ggccgttata	catctggagg	ctgcagggtc	cttgggtaa	1440
caggaccac	agacccctca	ccactcacag	attcctcaca	ctggggaaat	aaagccattt	1500
cagagaaaa	aaaaaaa	aaaa				1524

<210> 110
 <211> 3410
 <212> DNA
 <213> Homo sapien

<400> 110

ggaaaccagc	ctgcacgcgc	tggctccggg	tgacagccgc	gcccctcg	caggatctga	60
gtgatgagac	gtgtccccac	tgaggtgccc	cacagcagca	ggtgttgagc	atgggctgag	120
aagctggacc	ggcaccaaaag	ggctggcaga	aatgggc	tggctgattc	ctagggcgtt	180
ggcggcagca	aggaggagag	gccgcagctt	ctggagcaga	gccgagacga	agcagtctg	240
gagtgcctga	acggccccc	gagccctacc	cgccctggccc	actatgg	tcc	300

ggtgagccgc	ctgctgcggc	accggaaaagc	ccagctcttg	ctggtaacc	tgctaacctt	360
tggcctggag	gtgtgtttgg	ccgcaggcat	cacatatgtg	ccgcctctgc	tgctgaaagt	420
ggggtagag	gagaagttca	tgaccatgg	gctggcatt	ggtcagtg	tggcctgtgt	480
ctgtgtcccg	ctccctaggct	cagccagtga	ccactggcgt	ggacgctatg	gccgcccggc	540
gcccttcatc	tggcactgt	ccttggcat	cctgctgagc	ctcttctca	tcccaagggc	600
cggtggcta	gcagggctgc	tgtgcccga	tcccaggccc	ctggagctgg	cactgctcat	660
cctggcggtg	gggctgtgg	acttctgtgg	ccaggtgtgc	ttcaactccac	tggaggccct	720
gctctctgac	ctcttccggg	accggacca	ctgtcgccag	gcctactctg	tctatgcctt	780
catgatcagt	cttggggct	gcctggcta	cctcttgct	gccattgact	gggacaccag	840
tgccttgccc	ccctacctgg	gcacccagga	ggagtgcctc	tttggcctgc	tcaccctcat	900
cttcctcacc	tgcttagcag	ccacactgct	ggtggtgag	gaggcagcgc	tgggccccac	960
cgagccagca	gaagggctgt	cggccccc	ttgtcgccc	cactgctgc	catgcccggc	1020
ccgcttgct	ttccggaaacc	tggcgccct	gttccccgg	ctgcaccagc	tgtgtgccc	1080
catgccccgc	accctgcgc	ggcttctcg	ggctgagctg	tgca	tggactcat	1140
gacccctc	ctgtttaca	cggattcgt	gggcgagggg	ctgtaccagg	gcgtgcccag	1200
agctgagccg	ggcaccgagg	cccgagaca	ctatgatgaa	ggcgttcgga	tggcagccct	1260
ggggctgttc	ctgcagtgcg	ccatctccct	ggtcttct	ctggatcg	accggctgg	1320
gcagcgattc	ggcactcgag	cagtctattt	ggccagtgt	gcagttcc	ctgtggctgc	1380
cggtgcccc	tgccctgtccc	acagtgtggc	cgtgtgaca	gttcagccg	ccctcaccgg	1440
gttcaccc	tcagccctgc	agatcc	ctacacactg	gcctccct	accaccgg	1500
gaagcaggtg	ttcctgccc	aataccgagg	ggacactgga	ggtgctagca	gtgaggacag	1560
cctgatgacc	agcttcc	caggccctaa	gcctggagct	ccctccct	atggacacgt	1620
gggtgctgga	ggcagtggc	tgctccacc	tccaccggc	ctctgggggg	cctctgcctg	1680
tgatgtctcc	gtacgtgtgg	tggtgggtga	gcccaccgag	gccagggtgg	ttccggggc	1740
gggcacatcg	ctggacac	ccatctgg	tagtgcctc	ctgcgttccc	aggtggcccc	1800
atccctgttt	atgggctcca	ttgtccagct	cagccagtc	gtcactgcct	atatgggtgc	1860
tgccgcaggg	ctgggtctgg	tcgcattta	cttgctaca	caggtagtat	ttgacaagaga	1920
cgacttgcc	aaataactcag	cgtaaaaaac	ttccagcaca	ttgggggtgga	gggcctgcct	1980
cactgggtcc	cagtc	ctctgttag	ccccatgggg	ctgcgggct	ggccgcagg	2040
ttctgttgc	gccaagtaa	tgtggcttc	tgctgcacc	ctgtgtgc	gaggtgcgt	2100
gctgcacagc	ttggggctgg	ggcgtccctc	tcctctctcc	ccagtc	ggcgtgcctg	2160
actggaggcc	ttccaagggg	gttcagtc	ggacttatac	aggaggc	gaaggggctcc	2220
atgcactgga	atgcgggac	tctgcaggt	gattacc	gctcagg	ttt aacagctagc	2280
ctcctagtt	agacacac	agagaagg	tttgggagc	tgaataaact	cagtcac	2340
gtttccatc	tctaagcccc	ttaacctgca	gctcgttta	atgtagctc	tgcatgggag	2400
tttcttagat	gaaacactcc	tccatggat	ttgaacat	gacttattt	tagggaaaga	2460
gtcctgaggg	gcaacacaca	agaaccagg	cccctcagcc	cacagcact	tcttttgc	2520
gatccacccc	cctcttac	tttatcagga	tgtggctgt	tggccttct	gttgc	2580
cagagacaca	ggcattaaa	tat	attat	caa	ggaaatccat	2640
tgctagctt	tctgtgttgg	tgtctaata	ttgggtaggg	tggggatcc	ccaacaatca	2700
ggccccctga	gatagctgg	cattggctg	atcattgcca	gaatcttctt	ctccctggg	2760
ctggcccccc	aaaatgccta	accaggacc	ttggaaattc	tactcatccc	aaatgataat	2820
tccaaatgt	gttaaccaag	gttaggggt	tgaaggaa	taggggtgg	ggcttcaggt	2880
ctcaacggc	tccctaaacca	ccccttct	cttggccag	cctggttccc	cccacttcca	2940
ctccctcta	ctctctctag	gactggctg	atgaaggcac	tgc	ttcccctacc	3000
cccaacttcc	ccctaccccc	aacttcccc	accagtc	caaccctgtt	tggagctact	3060
gcaggaccag	aagcaca	tgcggttcc	caagc	tccatctc	ccccagagt	3120
atatctgtgc	ttgggaaatc	tcacac	actcagg	acc	tgagctaagg	3180
gaggtcttat	ctctcagggg	gggttta	agt	ggcgttgc	ataatgtcg	3240
tagcgggg	aatat	actgtaa	gt	agcaatc	gtataatgtt	3300
aaattaaagg	cttcttata	tgtt	aaaa	aaaa	aaaaaaa	3360
aaaaaaaaaaa	aaaaaaa	aaaaaaa	aaaaa	aaaaaaa	aaaaaaa	3410

<212> DNA
<213> *Homo sapien*

<400> 111

agccaggcgt	ccctctgcct	gcccaactcag	tggcaacacc	cgggagctgt	tttgccttt	60
gtggagcctc	agcagttccc	tcttcagaa	ctcaactgcca	agagccctga	acaggagcca	120
ccatcgagt	cttcagcttc	attaaagacca	tgtatgatcct	cttcaatttg	ctcatcttc	180
tgtgtgtgc	agccctgttg	gcagtgggca	tctgggtgtc	aatcgatggg	gcatccttc	240
tgaagatctt	cgggccactg	tcgtccagtg	ccatgcagtt	tgtcaacgtg	ggctacttcc	300
tcatcgacgc	cggcgttgt	gtcttgctc	ttggtttct	gggctgctat	ggtgctaaga	360
ctgagagcaa	gtgtgcctc	gtgacgttct	tcttcatct	cctcctcatc	ttcattgtctg	420
agggtgcagc	tgtgtggc	gccttggtgt	acaccacaat	ggctgagcac	ttcctgacgt	480
tgctggtagt	gcctgccatc	aagaaagatt	atggttccca	ggaagacttc	actcaagtgt	540
ggaacaccac	catgaaaggg	ctcaagtgt	gtggcttcac	caactatacg	gattttgagg	600
actcaccccta	cttcaaagag	aacagtgcct	ttccccccatt	ctgttgcata	gacaacgtca	660
ccaacacacgc	caatgaaacc	tgcaccaagc	aaaaggctca	cgaccaaaaa	gtagaggggtt	720
gcttcaatca	gctttgtat	gacatccgaa	ctaattgcagt	caccgtgggt	ggtgtggcag	780
ctggaaattgg	gggcctcgag	ctggctgcca	tgattgtgtc	catgtatctg	tactgcaatc	840
tacaataagt	ccacttctgc	ctctgcccact	actgctgcca	catggaaact	gtgaagaggc	900
accctggcaa	gcagcagtga	ttgggggagg	ggacaggatc	taacaatgtc	acttgggcca	960
gaatggacct	gccctttctg	ctccagactt	ggggctagat	agggaccact	ccttttagcg	1020
atgcctgact	ttccttccat	ttgtgggtgg	atgggtgggg	ggcattccag	agcctctaag	1080
gtagccagtt	ctgttgccca	ttccccctgt	ctattaaacc	cttgatatgc	ccctctaggcc	1140
tagggtgat	cccagtgctc	tactggggga	tgagagaaaag	gcattttata	gcctgggcat	1200
aagtgaaatc	agcagagcc	ctgggtggat	gtgtagaagg	cacttcaaaa	tgcataaaacc	1260
tgttacaatg	ttaaaaaaaaaa	aaaaaaaaaa				1289

<210> 112

<211> 315

<212> PRT

<213> Homo sapien

<400> 112

Met	Val	Phe	Thr	Val	Arg	Leu	Leu	His	Ile	Phe	Thr	Val	Asn	Lys	Gln
1				5					10					15	
Leu	Gly	Pro	Lys	Ile	Val	Ile	Val	Ser	Lys	Met	Met	Lys	Asp	Val	Phe
			20					25					30		
Phe	Phe	Leu	Phe	Phe	Leu	Gly	Val	Trp	Leu	Val	Ala	Tyr	Gly	Val	Ala
						35		40			45				
Thr	Glu	Gly	Leu	Leu	Arg	Pro	Arg	Asp	Ser	Asp	Phe	Pro	Ser	Ile	Leu
					50		55			60					
Arg	Arg	Val	Phe	Tyr	Arg	Pro	Tyr	Leu	Gln	Ile	Phe	Gly	Gln	Ile	Pro
					65		70			75					80
Gln	Glu	Asp	Met	Asp	Val	Ala	Leu	Met	Glu	His	Ser	Asn	Cys	Ser	Ser
					85			90					95		
Glu	Pro	Gly	Phe	Trp	Ala	His	Pro	Pro	Gly	Ala	Gln	Ala	Gly	Thr	Cys
					100			105					110		
Val	Ser	Gln	Tyr	Ala	Asn	Trp	Leu	Val	Val	Leu	Leu	Leu	Val	Ile	Phe
					115			120				125			
Leu	Leu	Val	Ala	Asn	Ile	Leu	Leu	Val	Asn	Leu	Leu	Ile	Ala	Met	Phe
					130		135					140			
Ser	Tyr	Thr	Phe	Gly	Lys	Val	Gln	Gly	Asn	Ser	Asp	Leu	Tyr	Trp	Lys
					145		150			155					160
Ala	Gln	Arg	Tyr	Arg	Leu	Ile	Arg	Glu	Phe	His	Ser	Arg	Pro	Ala	Leu
					165			170				175			

Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu Arg Gln
 180 185 190
 Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro Ala Leu Glu
 195 200 205
 His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys Leu Leu Thr
 210 215 220
 Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg Ala Arg Asp
 225 230 235 240
 Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser Gln Lys Val
 245 250 255
 Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr Glu Gln Arg
 260 265 270
 Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg Val Leu Gly
 275 280 285
 Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro Pro Gly Gly
 290 295 300
 Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp
 305 310 315

<210> 113

<211> 553

<212> PRT

<213> Homo sapien

<400> 113
 Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
 1 5 10 15
 Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
 20 25 30
 Ala Ala Gly Ile Thr Tyr Val Pro Pro Leu Leu Glu Val Gly Val
 35 40 45
 Glu Glu Lys Phe Met Thr Met Val Leu Gly Ile Gly Pro Val Leu Gly
 50 55 60
 Leu Val Cys Val Pro Leu Leu Gly Ser Ala Ser Asp His Trp Arg Gly
 65 70 75 80
 Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp Ala Leu Ser Leu Gly Ile
 85 90 95
 Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala Gly Trp Leu Ala Gly Leu
 100 105 110
 Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu Ala Leu Leu Ile Leu Gly
 115 120 125
 Val Gly Leu Leu Asp Phe Cys Gly Gln Val Cys Phe Thr Pro Leu Glu
 130 135 140
 Ala Leu Leu Ser Asp Leu Phe Arg Asp Pro Asp His Cys Arg Gln Ala
 145 150 155 160
 Tyr Ser Val Tyr Ala Phe Met Ile Ser Leu Gly Gly Cys Leu Gly Tyr
 165 170 175
 Leu Leu Pro Ala Ile Asp Trp Asp Thr Ser Ala Leu Ala Pro Tyr Leu
 180 185 190
 Gly Thr Gln Glu Glu Cys Leu Phe Gly Leu Leu Thr Leu Ile Phe Leu
 195 200 205
 Thr Cys Val Ala Ala Thr Leu Leu Val Ala Glu Glu Ala Ala Leu Gly
 210 215 220
 Pro Thr Glu Pro Ala Glu Gly Leu Ser Ala Pro Ser Leu Ser Pro His
 225 230 235 240

Cys Cys Pro Cys Arg Ala Arg Leu Ala Phe Arg Asn Leu Gly Ala Leu
 245 250 255
 Leu Pro Arg Leu His Gln Leu Cys Cys Arg Met Pro Arg Thr Leu Arg
 260 265 270
 Arg Leu Phe Val Ala Glu Leu Cys Ser Trp Met Ala Leu Met Thr Phe
 275 280 285
 Thr Leu Phe Tyr Thr Asp Phe Val Gly Glu Gly Leu Tyr Gln Gly Val
 290 295 300
 Pro Arg Ala Glu Pro Gly Thr Glu Ala Arg Arg His Tyr Asp Glu Gly
 305 310 315 320
 Val Arg Met Gly Ser Leu Gly Leu Phe Leu Gln Cys Ala Ile Ser Leu
 325 330 335
 Val Phe Ser Leu Val Met Asp Arg Leu Val Gln Arg Phe Gly Thr Arg
 340 345 350
 Ala Val Tyr Leu Ala Ser Val Ala Ala Phe Pro Val Ala Ala Gly Ala
 355 360 365
 Thr Cys Leu Ser His Ser Val Ala Val Val Thr Ala Ser Ala Ala Leu
 370 375 380
 Thr Gly Phe Thr Phe Ser Ala Leu Gln Ile Leu Pro Tyr Thr Leu Ala
 385 390 395 400
 Ser Leu Tyr His Arg Glu Lys Gln Val Phe Leu Pro Lys Tyr Arg Gly
 405 410 415
 Asp Thr Gly Gly Ala Ser Ser Glu Asp Ser Leu Met Thr Ser Phe Leu
 420 425 430
 Pro Gly Pro Lys Pro Gly Ala Pro Phe Pro Asn Gly His Val Gly Ala
 435 440 445
 Gly Gly Ser Gly Leu Leu Pro Pro Pro Ala Leu Cys Gly Ala Ser
 450 455 460
 Ala Cys Asp Val Ser Val Arg Val Val Gly Glu Pro Thr Glu Ala
 465 470 475 480
 Arg Val Val Pro Gly Arg Gly Ile Cys Leu Asp Leu Ala Ile Leu Asp
 485 490 495
 Ser Ala Phe Leu Leu Ser Gln Val Ala Pro Ser Leu Phe Met Gly Ser
 500 505 510
 Ile Val Gln Leu Ser Gln Ser Val Thr Ala Tyr Met Val Ser Ala Ala
 515 520 525
 Gly Leu Gly Leu Val Ala Ile Tyr Phe Ala Thr Gln Val Val Phe Asp
 530 535 540
 Lys Ser Asp Leu Ala Lys Tyr Ser Ala
 545 550

<210> 114
 <211> 241
 <212> PRT
 <213> Homo sapien

<400> 114
 Met Gln Cys Phe Ser Phe Ile Lys Thr Met Met Ile Leu Phe Asn Leu
 1 5 10 15
 Leu Ile Phe Leu Cys Gly Ala Ala Leu Leu Ala Val Gly Ile Trp Val
 20 25 30
 Ser Ile Asp Gly Ala Ser Phe Leu Lys Ile Phe Gly Pro Leu Ser Ser
 35 40 45
 Ser Ala Met Gln Phe Val Asn Val Gly Tyr Phe Leu Ile Ala Ala Gly
 50 55 60

<210> 115
<211> 366
<212> DNA
<213> *Homo sapien*

```

<400> 115
gctctttctc tcccctcctc tgaatttaat tctttcaact tgcaatttgc aaggattaca .60
catttcactg tgatgtatat tgggttgc aaaaaaaaaaa gtgtctttgt taaaaattac 120
ttgggttgc aatccatctt gcttttccc cattggaact agtcattaaac ccatctctga 180
actggtagaa aaacatctga agagctagtc tatcagcatc tgacaggtga attggatgg 240
tctcagaacc atttcaccca gacagcctgt ttctatcctg ttaataaaat tagttgggt 300
tctctacatg cataacaaac cctgctccaa tctgtcacat aaaagtctgt gacttgaagt 360
tttagtc 366

```

<210> 116
<211> 282
<212> DNA
<213> *Homo sapien*

```
<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G
```

```

<400> 116
acaaaagatga accatccct atattatagc aaaataaaaa tctacccgta ttctaatatt 60
gagaaatgag atnaaacaca atnttataaa gtctacttag agaagatcaa gtgacctcaa 120
agactttact atttcataat tttaagacac atgatttatac ctattttagt aacctggttc 180
atacgtaaa caaaggataa tgtgaacagc agagaggatt tggcaga aatctatgt 240
tcaatctnqa actatctana tcacagacat ttctattcct tt 282

```

```

<210> 117
<211> 305
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G

<400> 117
acacatgtcg cttcaactgcc ttcttagatg cttctggtca acatanagga acagggacca      60
tatttatcct ccctcctgaa acaattgcaa aataanacaa aatatatgaa acaattgcaa      120
aataaggcaa aatatatgaa acaacaggc tcgagatatt gcaaattcagt caatgaagga      180
tactgatccc tgcactgtt cctaattgcag gatgtggaa acagatgagg tcacctctgt      240
gactgccccca gcttactgcc tgttagagat ttctangctg cagttcagac agggagaaat      300
tgggt      305

<210> 118
<211> 71
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(71)
<223> n = A,T,C or G

<400> 118
accaagggtgt ntgaatctct gacgtgggaa tctctgattc ccgcacaatc tgagtggaaa      60
aantcctggg t      71

<210> 119
<211> 212
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

<400> 119
actccgggtt gtttcagcag cacgtggcat tgaacatngc aatgtggagc ccaaaccaca      60
gaaaatgggg tggaaattggc caactttcta tnaacttatg ttggcaant tgccaccaac      120
agtaagctgg cccttctaattt aaaagaaaaat tggaaaggttt ctcactaanc ggaattaant      180
aatggantca aganactccc aggcctcagc gt      212

<210> 120
<211> 90
<212> DNA
<213> Homo sapien

<220>

```

```

<221> misc_feature
<222> (1) ... (90)
<223> n = A,T,C or G

<400> 120
actcgttgca natcaggggc cccccagagt caccgttgca ggagtccttc tggcttgcc      60
ctccgcccgc gcagaacatg ctggggtggt                                90

<210> 121
<211> 218
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (218)
<223> n = A,T,C or G

<400> 121
tgtancgtga anacgacaga nagggttgta aaaaatggag aancttgaa gtcatttga      60
gaataagatt tgctaaaaga tttggggcta aaacatgggtt attgggagac atttctgaag      120
atatncangt aaattangga atgaattcat gttcttttgc ggaattccctt tacgatnigcc      180
agcatanact tcatgtgggg atancagcta cccttgta                                218

<210> 122
<211> 171
<212> DNA
<213> Homo sapien

<400> 122
taggggtgta tgcaactgtga aggacaaaaa ttgagactca actggcttaa ccaataaagg      60
catttggtag ctcatggAAC aggaagtccgg atgggtgggc atcttcagtgc tgcatgagt      120
caccaccccg gcgggggtcat ctgtgccaca ggtccctgtt gacagtgcgg t      171

<210> 123
<211> 76
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (76)
<223> n = A,T,C or G

<400> 123
tgttagcgtga agacnacaga atgggtgtgtc ctgtgctatc caggaacaca tttattatca      60
ttatcaanta ttgtgt                                76

<210> 124
<211> 131
<212> DNA
<213> Homo sapien

<400> 124
acctttcccc aaggccaatg tcctgtgtgc taactggccg gctgcaggac agctgcaatt      60

```

caatgtgctg ggtcatatgg aggggaggag actctaaaat agccaatttt attctcttgg	120
ttaagattt t	131
<210> 125	
<211> 432	
<212> DNA	
<213> Homo sapien	
<400> 125	
actttatcta ctggctatga aatagatggt ggaaaattgc gttaccaact ataccactgg	60
cttgaaaaag aggtgatagc tcttcagagg acttgtact tttgctcaga tgctgaagaa	120
ctacagtcgt cattggcag aatgaagat gaatttggat taaatgagga tgctgaagat	180
ttgcctcacc aaacaaaaagt gaaacaactg agagaaaaatt ttcaggaaaa aagacagtgg	240
ctcttgaagt atcagtcaact tttgagaatg tttcttagtt actgcatact tcatggatcc	300
catggtgggg gtcttgcata tgotaagaatg gaattgattt tgctttgca agaatctcag	360
caggaaacat cagaaccact atttcttagc cctctgtcag agcaaaccctc agtgcctc	420
ctctttgctt gt	432
<210> 126	
<211> 112	
<212> DNA	
<213> Homo sapien	
<400> 126	
acacaacttg -aatagtaaaa tagaaactga gctgaaattt ctaattcaact ttctaaaccat	60
agtaagaatg atatttcccc ccagggatca ccaaataattt ataaaaattt gt	112
<210> 127	
<211> 54	
<212> DNA	
<213> Homo sapien	
<400> 127	
accacgaaac cacaacaacaaatgaaagcat caatccactt gccaaggcaca gcag	54
<210> 128	
<211> 323	
<212> DNA	
<213> Homo sapien	
<400> 128	
acctcattag taattgtttt gttgttcat tttttctaa tgtctccctt ctaccagctc	60
acctgagata acagaatgaa aatggaaagga cagccagatt tctcctttgc tctctgctca	120
ttctctctga agtcttaggtt acccattttg gggacccatt ataggcaata aacacagtcc	180
ccaaaggcatt tggacagttt cttgttgtt tttagaatgg ttttcctttt tcttagcctt	240
ttcctgaaaa aggctcaactc agtcccttgc ttgctcagtg gactgggctc cccaggccct	300
aggctgcctt ctttccatg tcc	323
<210> 129	
<211> 192	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	

```

<222> (1)...(192)
<223> n = A,T,C or G

<400> 129
acatacatgt gtgtatattt taaaatatca ctttgtatc actctgactt ttttagcatac      60
tggaaaacaca ctaacataat ttntgtgaac catgatcaga tacaacccaa atcattcatac      120
tagcacatc atctgtgata naaagatagg tgagttcat ttccttcacg ttggccaaatg      180
gataaaacaaa gt      192

<210> 130
<211> 362
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(362)
<223> n = A,T,C or G

<400> 130
cccttttta tggaatgagt agactgtatg tttgaanatt tanccacaac ctcttgaca      60
tataatgacg caacaaaaag gtgctgtta gtcctatggt tcagttatg cccctgacaa      120
gtttccattg tgggttgcgg atcttctggc taatcgtggt atccctccatg ttatttagtaa      180
ttctgtattc cattttgtta acgcctggta gatgttaacct gctangaggc taactttata      240
cttatttaaa agctcttatt ttgtggtcat taaaatggca atttatgtgc agcactttat      300
tgcagcagga agcacgtgtg gggtgggtgt aaagctctt gctaatttta aaaagtaatg      360
gg      362

<210> 131
<211> 332
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

<400> 131
ctttttgaaa gatcgtgtcc actcctgtgg acatcttgg ttaatggagt ttcccatgca      60
gtangactgg tatgggttgca gctgtccaga taaaaacatt tgaagagctc caaaatgaga      120
gttctccag gttcgccctg ctgctccaag tctcagcagc agcctcttt aggaggcattc      180
ttctgaacta gattaaggca gcttggtaat ctgatgtgat ttgggttatt atccaactaa      240
cttccatctg ttatcactgg agaaagccca gactccccan gacnggtacg gattgtggc      300
atanaaggat tgggtgaagc tggcggtgtg gt      332

<210> 132
<211> 322
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

```

<400> 132
 acttttgcataatataaaacaatcttgggacattctcctgaaaaatgggtgtcc 60
 agtggctaaagagaactcgatttcaagcaatctctgaaaggaaaccagcatgacacagaat 120
 ctcaaaatcccaaacaggggctctgtggaaaatgagggaggaccttttatctcggtt 180
 ttttagcaagttaaaatgaanatgacaggaaaggcttattatcaacaaagaagagttg 240
 ggatgctctaaaaaaaactttggtagagaaaataggaatgctnaatcctaggaaaggcct 300
 gtaacaatctacaattggtc 322

<210> 133
 <211> 278
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 133
 acaaggccttcacaagtttaactaaatgggattaatcttctgtanttatctgcataatt 60
 cttgttttccttccatctgtctcctgggttgacaatttgggaaacaactctattgcta 120
 ctatataaaaaaaatcacaaatctttccctttaagctatgtttaattcaaactattcctg 180
 ctattcctgtttgtcaaagaaattatattttcaaaaatatgtntattgttgatgggt 240
 .cccacgaaacactaataaaaaaccacagaga ccagcctg 278

<210> 134
 <211> 121
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(121)
 <223> n = A,T,C or G

<400> 134
 gtttanaaaaacttggtagtcctcatagaggaaagaatgttaaactttgtatttaaaaaca 60
 tgattctctgaggtaaacttggtttcaaatgttatttttacttgtattttgtttttgg 120
 t 121

<210> 135
 <211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 135
 acttanaaaccatgccttagcaatcagaatccctaaagaaatcagtataatcctataacc 60
 atancaagtgtgactggtaaagcgtgcgaaaaggtcagctggcacattacttgtgtgc 120
 aaacttggatactttgttctaaatggaaatgtatacagtncctaggatggacttcca 180

gggtgcccccaactcctgc agccgctcct ctgtgccagn ccctgnaagg aactttcgct	240
ccacctaataaagccctgg gccatgctac ctgcaattgg ctgaacaaac gtttgctgag	300
ttcccaaggtgctcaac tcctggggcg tcaactcagt	350
<210> 136	
<211> 399	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (399)	
<223> n = A,T,C or G	
<400> 136	
tgtaccgtga agacgacaga agttgcatgg cagggacagg gcagggccga ggccagggtt	60
gctgtgattgtatccgaata ntccctcgta gaaaagataa tgagatgacg tgagcagcct	120
gcagacttgtgtctc aanaagccag acaggaaggc cctgcctgcc ttggctctga	180
cctggcgcccagccagccag ccacaggtgg gcttcttcct tttgtggta caacnccaag	240
aaaactgcag agggccaggg tcaggtgtta gtgggtangt gaccataaaa caccaggtgc	300
tcccaggaac ccgggcaaaag gccatccccca cctacagccca gcatgcccac tggcgtgatg	360
ggtgcgagang gatgaagcag ccagntgttc tgctgtgg	399
<210> 137	
<211> 165	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (165)	
<223> n = A,T,C or G	
<400> 137	
actgggtgtgg tngggggta tgctgggtgtt anaagttgan gtgacttcan gatgggtgtt	60
ggaggaagtgtgtgaacgta gggatgtaga nttttggcc gtgctaaatg agttcggga	120
ttggctggccactgtgtgg tcactgtcat tgggggggtt cctgt	165
<210> 138	
<211> 338	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) ... (338)	
<223> n = A,T,C or G	
<400> 138	
actcactggatgccacatt cacaacagaa tcagaggctgtgtaaaacat taatggctcc	60
ttaacttctc cagtaagaat cagggacttg aaatggaaac gttaacagcc acatgcccac	120
tgctggccag tctccatgc ctccacagt gaaagggctt gagaaaaatc acatccaatg	180
tcatgtgttt ccagccacac caaaaggtgc ttgggggtgga gggctggggg catananggt	240
cangcctcag gaagcctcaa gttccattca gctttgccac tgtacattcc ccatntttaa	300
aaaaactgtat gcctttttt tttttttt gaaaattc	338

<210> 139
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 139
 gggaatcttgc tctgggttgc ctatagccga ggccactttg acagaacaaa 60
 gaaaggact tcgagtaaga aggtgattt cagccagcct agtgcggaa gtgaaggaga 120
 attcaaacag acctcgcat tcctgggtg agcctggcg gctcaccgccc tatcatctgc 180
 atttgcctt ctcagggtct accggactct ggcccctgtat gtctgttagtt tcacaggatg 240
 ccttatttgt ctcttacacc ccacaggggcc ccctacttct tcggatgtgt ttttaataat 300
 gtcagctatg tgccccatcc tccttcatgc cctccctccc tttcctacca ctgctgagtg 360
 gcctggaaact tttttaaagt gt 382

<210> 140
 <211> 200
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(200)
 <223> n = A,T,C or G

<400> 140
 accaaanctt cttctgttg ttttngattt tactataggg gtttngctt ttctaaanat: 60
 acttttcatt taacanctt tttaagtgt caggctgcac tttgctccat anaattattg 120
 ttttacatt tcaacttgta tttttttgtc tcttanagca ttggtaaat cacatattt 180
 atattcagca taaaggagaa 200

<210> 141
 <211> 335
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 141
 actttatattt caaaacactc atatgttgc aaaaacacat agaaaaataa agtttgggtgg 60
 ggggtgtac taaacttcaa gtcacagact tttatgtgac agatggagc agggtttttt 120
 atgcatgttag agaaccctaa ctaatttattt aaacaggata gaaacaggct gtctgggtga 180
 aatggttctg agaaccatcc aattcacctg ttagatgtc atanacttagc tcttcagatg 240
 tttttctacc agttcagaga tnggttaatg actanttcca atggggaaaa agcaagatgg 300
 attcacaaac caagtaattt taaacaaaga cactt 335

<210> 142
 <211> 459
 <212> DNA
 <213> Homo sapien

<220>

```

<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

<400> 142
accaggttaa tattgccaca tatataccttt ccaattgcgg gctaaacaga cgtgtattta      60
gggttgtta aagacaaccc agcttaatat caagagaaaat tgtgacctt catggagttat      120
ctgatggaga aaacactgag ttttgacaaa tcttattttt ttcagatagc agtctgtatca      180
cacatggcc aacaacactc aaataataaa tcaaataatna tcagatgtta aagattggtc      240
ttcaaacatc atagccaaatg atgccccgct tgcctataat ctctccgaca taaaaccaca      300
tcaacaccc tc agtggccacc aaaccattca gcacagcttc cttiaactgtg agctgttga      360
agctaccagt ctgagcacta ttgactatnt ttttcangct ctgaatagct cttagggatct      420
cagcangggt gggaggaacc agctcaaccc tggcgtant                                459

<210> 143
<211> 140
<212> DNA
<213> Homo sapien

<400> 143
acatttcctt ccaccaagtc aggactcctg gttctgtgg gagttcttat cacctgaggg      60
aaatccaaac agtctctcct agaaaggaat agtgcacca accccacca tctccctgag      120
accatccgac ttccctgtgt                                140

<210> 144
<211> 164
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(164)
<223> n = A,T,C or G

<400> 144
acttcagtaa caacatacaa taacaacatt aagtgtatata tgccatctt gtcattttct      60
atctataccca ctctcccttc tgaaaacaan aatcactanc caatcactta tacaatattg      120
aggcaattaa tccatatttg tttcaataaa ggaaaaaaag atgt                                164

<210> 145
<211> 303
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

<400> 145
acgttagacca tccaaacttg tatttgtaat ggcaaacatc cagnagcaat tcctaaacaa      60
actggaggtt attataccca aattatccca ttcattaaaca tgccctcctc ctcaggctat      120
gcaggacagc tattataagt cggcccaggc atccagatac taccatttg ataaacttca      180
gtaggggagt ccatccaaatg gacaggctta atccaaaggag gaaatggaaac ataagccag      240
tagtaaaatn ttgcttagct gaaacagcca caaaagactt accggcgtgg tgattaccat      300

```

caa

303

<210> 146		
<211> 327		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1) ... (327)		
<223> n = A,T,C or G		
<400> 146		
actgcagtc aattagaagt ggtctctgac tttcatcanc ttctccctgg gctccatgac	60	
actggcctgg agtgactcat tgctctgggtt ggttgagaga gctccttgc caacaggcct	120	
ccaagtcagg gctgggattt gttcccttc cacattctag caacaatatg ctggccactt	180	
cctgaacagg gaggggtggga ggagccagca tggacaaga tgccacttca taaagttagcc	240	
agacttgcac ctgggcctgt cacacctact gatgaccttc tgtgcctgca ggatggaatg	300	
taggggtgag ctgtgtgact ctatgg	327	
<210> 147		
<211> 173		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1) ... (173)		
<223> n = A,T,C or G		
<400> 147		
acattgttt tttgagataa agcattgana gagctctcct taacgtgaca caatggaagg	60	
actggAACAC atacccacat ctttgtctg agggataatt ttctgataaa gtcttgctgt	120	
atattcaagc acatatgtta tatattattc agttccatgt ttatagccta gtt	173	
<210> 148		
<211> 477		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1) ... (477)		
<223> n = A,T,C or G		
<400> 148		
acaaccacctt tatctcatcg aatttttaac ccaaactcac tcactgtgcc tttctatcct	60	
atgggatata ttatTTGATG ctccatttca tcacacatata atgaataata cactcatact	120	
gccctactac ctgctgcaat aatcacattc ctttcctgtc ctgaccctga agccattggg	180	
gtggtcctag tggccatcg tccangcctg caccttgagc ctttgagctc cattgctcac	240	
nccanccac ctcaccgacc ccattttttt acacagctac ctccttgc tctaaacccca	300	
tagattatnt ccaaattcag tcaattaagt tactattaac actctacccg acatgtccag	360	
caccactgggt aaggcttctc cagccaaacac acacacacac acacacacat	420	
ccaggcacag gctacctcat ttccacaatc acccctttaa ttaccatgtc atggtgg	477	

```

<210> 149
<211> 207
<212> DNA
<213> Homo sapien

<400> 149
acagttgtat tataatatca agaaataaac ttgcaatgag agcatttaag agggaagaac      60
taacgtatTT tagagagcca aggaaggTTT ctgtggggag tggatgtaa ggtggggcT      120
gatgataaaat aagagtcaGc caggtaaGTg ggtggTgtgg tatgggcaca gtgaagaaca      180
tttcaggcag aggaacagc agtgaaaa                           207

<210> 150
<211> 111
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (111)
<223> n = A,T,C or G

<400> 150
accttgattt cattgctgct ctgatggaaa cccaaCTATC taatTTAGCT aaaACATGGG      60
cacttaaatg tggcagtgt ttggacttgt taactantgg catctttggg t                           111

<210> 151
<211> 196
<212> DNA
<213> Homo sapien

<400> 151
agcgcggcag gtcattttga acattccaga tacctatcat tactcgatgc tggataac      60
agcaagatgg ctttgaactc agggtcacca ccagctattg gaccttacta tggaaaccat      120
ggataccaaac cggaaaaccc ctatccgca cagcccactg tggccccac tgtctacgag      180
gtgcattccgg ctcaGT                           196

<210> 152
<211> 132
<212> DNA
<213> Homo sapien

<400> 152
acagcacttt cacatgtaaG aagggagaaa ttcctaaatg taggagaaag ataacagaac      60
cttccccctt tcattctagtG gttggaaacct gatgctttat gttgacagga atagaaccag      120
gagggagTTT gt                           132

<210> 153
<211> 285
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (285)
<223> n = A,T,C or G

```

<400> 153
 acaanaccca nganaggcca ctggccgtgg tgcatacgcc tccaaacatg aaagtgtcag 60
 cttctgcct tatgtcctca tctgacaact ctttaccatt ttatcctcg ctcagcagga 120
 gcacatcaat aaagtccaaa gtcttggact tggccttggc ttggaggaag tcatcaacac 180
 cctggctagt gagggtgcgg cgccgcctc gatgtacgac atctgtgaag tcgtgcacca 240
 gtctgcagggc cctgtggaaag cgccgtccac acggagtnag gaatt 285

<210> 154
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 154
 accacagtcc tggggccca gggcttcatt accctttctg taaaagcca tattatcacc 60
 accccaaatt tttccttaaa tatcttaac tgaagggtc agccttctga ctgcaaagac 120
 cctaagccgg ttacacagct aactcccact ggccttgatt tggaaattt ctgctgcctg 180
 attggcacag gagtcgaagg tggcagtc ccctcctccg tggaaacgaga ctctgattt 240
 agtttaccaa attctcgcc cacctcgtca ttgctcttctt gaaataaaat ccggagaatg 300
 gtcaggcctg tctcatccat atggatcttc cgg 333

<210> 155
 <211> 308
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1):..(308)
 <223> n = A,T,C or G

<400> 155
 actggaaata ataaaaccca catcacagt tgggtcaaa gatcatcagg gcatggatgg 60
 gaaagtgcct tggaaactgt aaagtgccta acacatgatc gatgatttt ttataat 120
 ttgaatcacg gtgcatacaa actctcctgc ctgctctcc tggcccccag cccagcccc 180
 atcacagctc actgctctgt tcatccaggc ccagcatgta gtggctgatt ttcttgct 240
 gcttttagcc tccanaagtt tctctgaagc caaccaaacc tctangtcta aggcatgctg 300
 gcccctgg 308

<210> 156
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 156
 accttgctcg gtgttggaa catattagga actcaaaata tgagatgata acagtgccta 60
 ttattgatta ctgagagaac tggtagacat ttagttgaag attttctaca caggaactga 120
 gaataggaga ttatgtttgg ccctcatatt ctctcctatc ctccctgcct cattctatgt 180
 ctaatatatt ctcaatcaa taaggtagc ataatcagga aatcgaccaa ataccaatat 240
 aaaaccagat gtctatcctt aagatttca aatagaaaac aaattaacag actat 295

<210> 157
 <211> 126
 <212> DNA
 <213> Homo sapien

<400> 157
 acaagttaa atagtgtgt cactgtcat gtgctgaaat gtgaaatcca ccacattct 60
 gaagagcaaa acaaattctg tcatgtatc tctatcttgg gtcgtggta tatctgtccc 120
 ctttagt 126

<210> 158
 <211> 442
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (442)
 <223> n = A, T, C or G

<400> 158
 acccaactgt ctggaaaca cccatcctta atacgatgat tttctgtcg tgtgaaaatg 60
 aancaggcag gctcccccta gtcagtcctt cttccagag aaaaagagat ttgagaaagt 120
 gcctggtaa ttccacatta atttcctccc ccaaactctc tgagtcttcc cttaatattt 180
 ctgggtgtc tgaccaaagc aggtcatggt ttgttggaca tttggatcc cagtgaagta 240
 natgtttgt a gccttgcata cttagccctt cccacgcaca aacggagtgg cagagtgg 300
 ccaaccctgt tttccagtc cacgtagaca gattcacagt gcgaaatct ggaagctgga 360
 nacagacggg ctcttgcag agccggact ctgagangga catgagggcc tctgcctctg 420
 tgttcattct ctgtatgtcct gt 442

<210> 159
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (498)
 <223> n = A, T, C or G

<400> 159
 acttccaggt aacgttgg tttccgttga gcctgaactg atgggtgacg ttgttaggttc 60
 tccaaacaaga actgagggtt cagagcgggt agggaaagagt gctgttccag ttgcacctgg 120
 gctgctgtgg actgttggt attcctcaact acggcccaag gttgtggaaac tggcanaaag 180
 gtgtgttgg gganttgagc tcggccggct gtggtaggtt gtggcttcaacagg 240
 tgctgtgtg ccgggangtg aangtgttgc gtcacttgag cttggccagc tctggaaagt 300
 antanattct tcctgaaggc cagcgttgc ggagctggca nggcgttgc ttgtgttgc 360
 cgaaccatgt ctgtgtggg tgggtgtana tcctccacaa agcctgaagt tatgtgtcn 420
 tcaggttana atgtggtttgc agtgcctgt ggcngctgtg gaagggttgc nattgtcacc 480
 aaggaaataa gctgtgttgc 498

<210> 160
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (380)

<223> n = A,T,C or G

<400> 160

acctgcaccc	agcttccctg	ccaaactcac	aaggagacat	caacctctag	acagggaaac	60
agttcagga	tacttccagg	agacagagcc	accagcaga	aaacaaatat	tcccatgcct	120
ggagcatggc	atagaggaag	ctgaaaatg	tgggtctga	ggaagccatt	tgagtctggc	180
cactagacat	ctcatcagcc	acttgtgtga	agagatgccc	catgacccca	gatgcctctc	240
ccacccttac	ctccatctca	cacacttgag	cttccactc	tgtataattc	taacatcctg	300
gagaaaaatg	gcagtttgac	cgaacctgtt	cacaacggta	gaggctgatt	tctaacgaaa	360
cttgtagaat	gaagcctgaa					380

<210> 161

<211> 114

<212> DNA

<213> Homo sapien

<400> 161

actccacatc	ccctctgago	aggcggttgt	cgttcaaggt	gtatggcc	ttgcctgtca	60
cactgtccac	tggccctta	tccacttggt	gcttaatccc	tcgaaagagc	atgt	114

<210> 162

<211> 177

<212> DNA

<213> Homo sapien

<400> 162

actttctgaa	tgcataatcaa	tgataacttag	tgtagttta	atatcctcat	atatatcaaa	60
gttttactac	tctgataatt	ttgtaaacca	ggtaaccaga	acatccagtc	atacagcttt	120
tggtgatata	taacttggca	ataacccagt	ctggtgatac	ataaaaactac	tcactgt	177

<210> 163

<211> 137

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (137)

<223> n = A,T,C or G

<400> 163

catttatata	gacaggcgtg	aagacattca	cgacaaaaac	gcgaaattct	atcccgtagc	60
canagaaggc	agctacggct	actcctacat	cctggcgtgg	gtggccttcg	cctgcacctt	120
catcagcggc	atgatgt					137

<210> 164

<211> 469

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (469)

<223> n = A,T,C or G

<400> 164
 cttatcacaa tgaatgttct cctgggcagc gttgtatct ttgccacatt cgtgacttta 60
 tgcaatgcat catgctattt catacctaata gaggagatc caggagattc aaccaggaaa 120
 tgcattggatc tcaaaggaaa caaacaccca ataaactcg agtggcagac tgacaactgt 180
 gagacatgca cttgctacga aacagaaatt tcatgttca cccttggttc tacacctgt 240
 ggttatgaca aagacaactg ccaaagaatc ttcaagaagg aggactgcaa gtatatctgt 300
 gtggagaaga aggacccaaa aaagacctgt tctgtcagtg aatggataat ctaatgtgt 360
 tctagtaggc acagggctcc caggccaggc ctcattctcc tctggctct aatagtcaat 420
 gattgtgttag ccatgcctat cagtaaaaag atnttgagc aaacacttt 469

<210> 165
 <211> 195
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(195)
 <223> n = A,T,C or G

<400> 165
 acagttttt atanatatcg acattgccgg cacttgttt cagtttcata aagctggtgg 60
 atccgctgtc atccactatt cctggctag agtaaaaatt attcttatacg cccatgtccc 120
 tgcaggccgc cggcccgtag ttctcggtcc agtcgtcttg gcacacaggg tgccaggact 180
 tcctctgaga tgagt 195

<210> 166
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 166
 acatcttagt agtgtggcac atcagggggc catcagggtc acagtcactc atagcctcgc 60
 cgaggtcgga gtccacacca ccgggttagg tggctcaat cttgggcttg gcccacact 120
 ttggagaagg gatatgtgc acacacatgt ccacaaagcc tggtaactcg ccaaagaatt 180
 tttgcagacc agcctgagca agggccggat gttcagcttc agtcctctt tcgtcagggt 240
 gatgccaacc tcgtctangg tccgtggaa gctgggttcc acntcaccta caacctgggc 300
 gangatctta taaagaggct ccnagataaa ctccacgaaa cttctctggg agctgctagt 360
 nggggccttt ttggtaact ttc 383

<210> 167
 <211> 247
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 167
 acagagccag accttggcca taaatgaanc agagattaag actaaacccc aagtgcgat 60
 tggagcagaa actggagcaa gaagtggcc tggggctgaa gtagagacca aggccactgc 120
 tatanccata cacagagcca actctcaggc caaggcnatg gttggggcag anccagagac 180
 tcaatctgan tccaaagtgg tggctggaac actggtcatg acanaggcag tgactctgac 240
 tgangtc 247

<210> 168
 <211> 273
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 168
 acttctaagt ttcttagaag tggaaggatt gtantcatcc tgaaaatggg tttacttcaa 60
 aatccctcan ccttgttctt cacnactgtc tatactgana gtgtcatgtt tccacaaagg 120
 gctgacacct gaggctgnat ttctactcat ccctgagaag cccttccag tagggtggc 180
 aattcccaac ttccctgcca caagctccc aggcttctc ccctggaaaa ctccagcttg 240
 agtcccagat acactcatgg gctgcctgg gca 273

<210> 169
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 169
 acagccttgg ctccccaaa ctccacagtc tcagtgcaga aagatcatct tccagcagtc 60
 agctcagacc agggtcaaag gatgtgacat caacagttc tggttcaga acaggttcta 120
 ctactgtcaa atgacccccc atacttcctc aaaggctgtg gtaagtttg cacaggtgag 180
 ggcagcagaa agggggtant tactgatgga caccatctc tctgtatact ccacactgac 240
 cttgccatgg gcaaggccc ctaccacaaa aacaatagga tcactgctgg gcaccagctc 300
 acgcacatca ctgacaaccg gcatggaaaa agaantgcca acttcatac atccaactgg 360
 aaagtgtatct gatactggat tcttaattac cttcaaaaagc ttctggggc catcagctgc 420
 tcgaacactg a 431

<210> 170
 <211> 266
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 170

acctgtgggc tgggctgtta tgcctgtgcc ggctgctgaa	agggagttca gaggtggagc	60
tcaaggagct ctgcaggcat tttgccaanc ctctccanag	canagggagc aacctacact	120
ccccgctaga aagacaccag attggagtc	tgggaggggg agttgggtg ggcatttgat	180
gtatacttgt cacctgaatg aangagccag	agaggaanga gacgaanatg anattggcct	240
tcaaagctag gggctggca ggtgga		266

<210> 171
 <211> 1248
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (1248)
 <223> n = A,T,C or G

ggcagccaaa tcataaacgg cgaggactgc agcccgact	cgccagccctg gcaggcggca	60
ctggcatgg aaaacgaatt gttctgctcg ggcgtctgg	tgcatccgca gtgggtgctg	120
tcagccgac actgtttcca gaagtgagtg	cagagctctt acaccatcg	180
cacagtctt aggccgacca agagccaggg	agccagatgg tggaggccag	240
cgccaccagg agtacaacag acccttgctc	gctaaccgacc tcatgctcat	300
gaatccgtgt ccgagctctga caccatccgg	agcatcagca ttgcttcgca	360
gcggggact cttgcctcg	ttctggctgg ggtctgtgg	420
gtgctgcagt gctgtacgt	cgaaacggcag aatgcctacc	480
ccgctgtacc accccagcat	gttctgcgcc ggcggagggc	540
aacgggtgact ctggggggcc	aagaccagaa ggactcctgc	600
ggaaaagccc cgtgtggcca	tttgcgtgtt acaccaccc	660
actgagtgga tagagaaaaac	ccatgggtgtt acaccaccc	720
attgacccccc aaatacatcc	tttgcgtgtt atctgttccc	780
ccctcagcc caggagtcca	tttgcgtgtt agccctccct	840
cccagccct cttccctcag	tttgcgtgtt tcaaaaccaag	900
ccaggagtcc agccctccct	tttgcgtgtt ggtacagatc	960
ctcagaccca ggggtccagg	tttgcgtgtt ccctcctccc	1020
ccaaacccntc attccccaga	tttgcgtgtt tcaaaaccaag	1080
gcggtccaat gccacctaga	tttgcgtgtt acacagtgcc	1140
aaccttacca gttggttttt	tttgcgtgtt cccttccccc	1200
aagagaagng caaaaaaaaaa	tttgcgtgtt tagatccaga	1248

<210> 172
 <211> 159
 <212> PRT
 <213> Homo sapien

<220>
 <221> VARIANT
 <222> (1) ... (159)
 <223> Xaa = Any Amino Acid

Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro			
1	5	10	15
Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser			
20	25	30	
Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr			

35	40	45													
Ala	Gly	Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu	Leu	Ala	Asn	Gly
50															
Arg	Met	Pro	Thr	Val	Leu	Gln	Cys	Val	Asn	Val	Ser	Val	Val	Ser	Glu
65															
Glu	Val	Cys	Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met	Phe
85															
Cys	Ala	Gly	Gly	Gly	Gln	Xaa	Gln	Xaa	Asp	Ser	Cys	Asn	Gly	Asp	Ser
100															
Gly	Gly	Pro	Leu	Ile	Cys	Asn	Gly	Tyr	Leu	Gln	Gly	Leu	Val	Ser	Phe
115															
Gly	Lys	Ala	Pro	Cys	Gly	Gln	Val	Gly	Val	Pro	Gly	Val	Tyr	Thr	Asn
130															
Leu	Cys	Lys	Phe	Thr	Glu	Trp	Ile	Glu	Lys	Thr	Val	Gln	Ala	Ser	
145															

<210> 173

<211> 1265

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (1265)

<223> n = A,T,C or G

<400> 173

ggcagccgc	actcgcagcc	ctggcaggcg	gcactggtca	tggaaaacga	attgttctgc	60
tcgggcgtcc	.tggtgcatcc	gcagtgggtg	ctgtcagccg	cacactgttt	ccagaactcc	120
tacaccatcg	ggctgggcct	gcacagtctt	gaggccgacc	aagagccagg	gagccagatg.	180
gtggaggcca	gcctctccgt	acggcaccca	gagtacaaca	gacccttgc	cgctaacgac	240
ctcatgtctca	tcaagttgga	cgaatccgtg	tccgagtc	acaccatccg	gagcatcagc	300
attgcttcgc	agtgcctac	cgcgggaa	tctgcctcg	tttctggctg	gggtctgctg	360
gcgaacggtg	agtcacggg	tgtgtctg	ccctcttcaa	ggaggtcctc	tgcccagtctg	420
cgggggctga	cccagagctc	tgcgtcccag	gcagaatgcc	taccgtctg	cagtgcgtga	480
acgtgtcggt	ggtgtctgag	gaggtctgca	gtaagctcta	tgaccgcgt	taccacccca	540
gcatgttctg	cgcggcgga	gggcaagacc	agaaggactc	ctgcaacgg	gactctgggg	600
ggcccctgtat	ctgcaacggg	tacttcagg	gccttgcgtc	tttccggaaaa	gccccgtgt	660
gccaagttgg	cgtgccaggt	gtctacacca	acctctgcaa	attcaactgag	tggatagaga	720
aaaccgtcca	ggccagttaa	ctctggggac	tgggaaccca	tgaaattgac	ccccaaatac	780
atcctcgcca	aggaattcag	gaatatctgt	tcccagcccc	tcctccctca	ggcccaggag	840
tccaggcccc	cagccccctcc	tccctcaaac	caagggtaca	gatccccagc	ccctccctccc	900
tcagaccagg	gagtcagac	cccccagccc	ctcctccctc	agaccaggaa	gtccagcccc	960
tcctccntca	gaccaggag	tccagacccc	ccagcccc	ctccttcaga	cccagggtt	1020
gaggccccca	acccttcctc	tttcagagtc	agaggtccaa	gcccccaacc	cctcgcccc	1080
cagaccaggaa	ggttnnaggc	ccagcccc	ttccntcaga	cccagnggtc	caatgccacc	1140
tagatttcc	ctgnacacag	tggcccttg	tggngangtg	acccaacctt	accagtttgt	1200
ttttcattt	tngtccctt	cccctagatc	cagaaataaa	gttaagaga	ngngcaaaaa	1260
aaaaaa						1265

<210> 174

<211> 1459

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (1459)
 <223> n = A,T,C or G

<400> 174

ggtcagccgc	acactgtttc	cagaagttag	tgcagagctc	ctacaccatc	gggctgggccc	60
tgcacagtct	tgaggccgac	caagagccag	ggagccagat	ggtgaggccc	agcctctccg	120
tacggcaccc	agagtacaac	agacccttgc	tcgctaaca	cctcatgctc	atcaagttgg	180
acgaatcgt	gtccgagttct	gacaccatcc	ggagcatcag	cattgcttcg	cagtgcctta	240
ccgcgggaa	ctcttgcctc	gtttctggct	ggggctctgt	ggcgaacgg	gagctcacgg	300
gtgtgtgtct	gcctcttca	aggaggctt	ctgcccagtc	gcgggggctg	accagagct	360
ctgcgtccca	ggcagaatgc	ctaccgtct	gcagtgcgt	aacgtgtcg	tggtgtctga	420
ngaggtctgc	antaagctct	atgaccgc	gtaccacccc	ancatgttct	gcccggcgg	480
agggcaagac	cagaaggact	cctgcaacgt	gagagagggg	aaaggggagg	gcaggcgact	540
cagggaaaggg	tggagaaggg	ggagacagag	acacacaggg	ccgcatggcg	agatgcagag	600
atggagagac	acacagggag	acagtacaa	ctagagagag	aaactgagag	aaacagagaa	660
ataaacacag	gaataaaagag	aagcaaagga	agagagaaac	agaaacagac	atggggaggc	720
agaaacacac	acacatagaa	atgcagttga	ccttccaaca	gcatggggcc	tgagggcggt	780
gacctccacc	caatagaaaa	tccttctata	acttttgc	ccccaaaaac	ctgactagaa	840
atagctact	gttgcacggg	agccttacca	ataacataaa	tagtcgatt	atgcatacgt	900
tttatgcatt	catgatatac	ctttgttgg	atttttgtat	atttctaagc	tacacagttc	960
gtctgtgaat	ttttttaat	tgttgcact	ctcctaaaat	ttttctgtat	tgttatttga	1020
aaaaatccaa	gtataagtgg	acttgcgtat	tcaaccagg	gttgcattca	gtcaactgt	1080
gtacccagag	ggaaacacgt	acacagattc	atagaggtga	aaacacgaaga	gaaacaggaa	1140
aaatcaagac	tctacaaaaga	ggctgggcag	ggtggtcat	gcctgtatcc	ccagcactt	1200
gggaggcgag	gcaggcgat	cacttgaggt	aaggatgtca	agaccagcct	ggccaaaatg	1260
gtaaaatcct	gtctgtacta	aaaatacaaa	agttagctgg	atatggtgc	aggcgcctgt	1320
aatcccagct	acttggagg	ctgaggcagg	agaattgtt	gaatatggg	ggcagagggtt	1380
gaagttagtt	gagatcacac	cactatactc	cagctggggc	aaacagagtaa	gactctgtct	1440
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1459

<210> 175

<211> 1167
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1) ... (1167)
 <223> n = A,T,C or G

<400> 175

gcgcagccct	ggcaggcgcc	actggtcatg	aaaaacgaat	tgttctgctc	gggcgtcctg	60
gtgcacccgc	agtgggtgct	gtcagccgca	cactgttcc	agaactccta	caccatcgcc	120
ctgggcctgc	acagtcttga	ggccgaccaa	gagccaggga	gccagatgg	ggaggccagc	180
ctctccgtac	ggcaccacca	gtacaacaga	ctcttgcctc	ctaaccacct	catgctcata	240
aatggacg	aatccgtgtc	cgagtctgac	accatccgga	gcacatcgat	tgcttcgcag	300
tgccttaccg	cggggactc	ttgcctcgtn	tctggctgg	gtctgtggc	gaacggcaga	360
atgccttaccg	tgctgcactg	cgtaaacgt	tccgtgggt	ctgaggangt	ctgcagtaag	420
ctctatgacc	cgctgtacca	ccccagcatg	ttctgcgcct	gcccggggca	agaccagaag	480
gactctgca	acggtgactc	tggggggccc	ctgatctgca	acgggtactt	gcagggcctt	540
gtgtcttcg	aaaaagcccc	gtgtggccaa	cttggcgtgc	caggtgtcta	caccaacctc	600
tgcaaattca	ctgagttggat	agaaaaacc	gtccagncca	gttaactctg	gggactggga	660
acccatgaaa	ttgaccccca	aatacatctt	gcccggaaata	tctgttccca	tttggggaaa	720

gccccctcctc	cctcaggccc	aggagtccag	gcccccagcc	cctcctccct	caaaccaagg	780
gtacagatcc	ccagcccctc	ctccctcaga	cccaggagtc	cagacccccc	agccctcnt	840
ccntcagacc	caggagtcca	gcccctcctc	cncagacgc	aggagtccag	accccccagc	900
ccntcntccg	tcagacccag	gggtgcaggc	ccccaaaccc	tcntccntca	gagtcagagg	960
tccaagcccc	caacccctcg	ttccccagac	ccagaggtnc	aggtcccagc	ccctcctccc	1020
tcagaccagg	cggccaatg	ccacctagan	tntccctgta	cacagtgccc	ccttgtggca	1080
ngttgaccca	accttaccag	ttggtttttc	atttttgtc	ccttcccct	agatccagaa	1140
ataaaagtnta	agagaagcgc	aaaaaaa				1167

<210> 176
 <211> 205
 <212> PRT
 <213> Homo sapien

<220>
 <221> VARIANT
 <222> (1) ... (205)
 <223> Xaa = Any Amino Acid

<400> 176
 Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp
 1 5 10 15
 Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu
 20 25 30
 Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val
 35 40 45
 Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Leu Leu Leu
 50 55 60
 Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser
 65 70 75 80
 Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly
 85 90 95
 Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg Met
 100 105 110
 Pro Thr Val Leu His Cys Val Asn Val Ser Val Val Ser Glu Xaa Val
 115 120 125
 Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
 130 135 140
 Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
 145 150 155 160
 Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
 165 170 175
 Ala Pro Cys Gly Gln Leu Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
 180 185 190
 Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Xaa Ser
 195 200 205

<210> 177
 <211> 1119
 <212> DNA
 <213> Homo sapien

<400> 177

gcgcaactcgc	agccctggca	ggcggcactg	gtcatggaaa	acgaattgtt	ctgctcgggc	60
gtcctggtgc	atccgcagtg	ggtgctgtca	gccgcacact	gtttccagaa	ctcctacacc	120

atcgggctgg	gcctgcacag	tcttgaggcc	gaccaagagc	cagggagcca	gatgggtggag.	180
gccagcctct	ccgtacggca	cccagagtac	aacagaccct	tgctcgctaa	cgacccatcg	240
ctcatcaagt	tggacgaatc	cgtgtccgag	tctgacaccca	tccggagcat	cagcattgtct	300
tcgcagtgcc	ctaccgcggg	gaactcttgc	ctcgtttctg	gctggggct	gctggcgaac	360
gatgctgtg	ttgccatcca	gtcccagact	gtgggaggt	gggagtgtga	gaagcttcc	420
caaccctggc	agggttgtac	catttcggca	acttccagtg	caaggacgtc	ctgctgcata	480
ctcaactgg	gctcaactact	gctcaactgca	tcacccggaa	cactgtgatc	aactagccag	540
caccatagtt	ctccgaagtc	agactatcat	gattactgtg	ttgactgtgc	tgtctattgt	600
actaaccatg	ccgatgttta	ggtgaaatta	ggtcaacttg	gcctcaacca	tcttggtatc	660
cagttatcct	cactgaattt	agatttcctg	ttcagtgatc	agccattccc	acataatttc	720
tgacctacag	aggtgaggga	tcatatagt	ttcaaggat	gctggtaatc	ccctcacaaa	780
ttcatttctc	ctgtttagt	gaaagggtgcg	ccctctggag	cctcccagg	tgggtgtca	840
ggtcacaatg	atgaatgtat	gatcgtgtt	ccattaccca	aagcattaa	atccctcatg	900
ctcagtagac	cagggcaggt	ctagcattt	ttcatttagt	gtatgctgtc	cattcatgca	960
accacctcag	gactcctgga	ttctctgcct	agttgagctc	ctgcatgtg	cctccttggg	1020
gaggtgaggg	agagggccca	tggttcaatg	ggatctgtgc	agttgtaaca	cattaggtgc	1080
ttaataaaaca	gaagctgtga	tgttaaaaaaa	aaaaaaaaaa			1119

<210> 178

<211> 164

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1) ... (164)

<223> Xaa = Any Amino Acid

<400> 178

Met	Glu	Asn	Glu	Leu	Phe	Cys	Ser	Gly	Val	Leu	Val	His	Pro	Gln	Trp
1				5					10				15		
Val	Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu
							20		25				30		
Gly	Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met	Val
							35		40			45			
Glu	Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu	Leu
						50		55			60				
Ala	Asn	Asp	Leu	Met	Leu	Ile	Lys	Leu	Asp	Glu	Ser	Val	Ser	Glu	Ser
						65		70		75			80		
Asp	Thr	Ile	Arg	Ser	Ile	Ser	Ile	Ala	Ser	Gln	Cys	Pro	Thr	Ala	Gly
						85		90			95				
Asn	Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu	Leu	Ala	Asn	Asp	Ala	Val
						100		105			110				
Ile	Ala	Ile	Gln	Ser	Xaa	Thr	Val	Gly	Gly	Trp	Glu	Cys	Glu	Lys	Leu
						115		120			125				
Ser	Gln	Pro	Trp	Gln	Gly	Cys	Thr	Ile	Ser	Ala	Thr	Ser	Ser	Ala	Arg
						130		135			140				
Thr	Ser	Cys	Cys	Ile	Leu	Thr	Gly	Cys	Ser	Leu	Leu	Leu	Thr	Ala	Ser
						145		150			155			160	
Pro	Gly	Thr	Leu												

<210> 179

<211> 250

<212> DNA

<213> Homo sapien

<400> 179

ctggagtgcc ttgtgtttc aagccctgc aggaagcaga atgcacccctc tgaggcacct	60
ccagctgccccc ccggccgggg gatgcgaggc tcggagcacc cttggccggc tggattgt	120
gccaggcact gttcatctca gctttctgt cccttgctc ccggcaagcg cttctgctga	180
aagttcatat ctggagcctg atgtcttaac gaataaaggc cccatgctcc acccgaaaaaa	240
aaaaaaaaaaaa	250

<210> 180

<211> 202

<212> DNA

<213> Homo sapien

<400> 180

actagtcag tgggtggaa ttccattgtg ttggggccaa cacaatggct acctttaaca	60
tcaccaggac cccggccctg cccgtgcccc acgctgctgc taacgacagt atgatgctta	120
ctctgctact cgaaaactat tttatgtaa ttaatgtatg ctttctgtt tataaatgcc	180
tgatttaaaa aaaaaaaaaaa aa	202

<210> 181

<211> 558

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(558)

<223> n = A,T,C or G

<400> 181

tccytttgkt naggtttkg agacamccck agacctaann ctgtgtcaca gacttcyngg	60
aatgtttagg cagtgcgt aatttcytcg taatgattct gtttattactt tcctnattct	120
ttattccctt ttcttctgaa gattaatgaa gttaaaaatt gaggtggata aataaaaaaa	180
ggtagtgtga tagataagt atctaagtgc agatgaaagt gtgttatata tatccattca	240
aaattatgca agttagtaat tactcagggt taactaaatt actttaatat gctgttgaac	300
ctactctgtt ccttggctag aaaaaattaa aacaggact ttgttagttt gggaaagccaa	360
attgataata ttctatgttc taaaagttgg gctatacata aattattaag aaatatggaw	420
ttttatttccc aggaatatgg kgttcatttt atgaatatta cscrggatag awgtwtgagt	480
aaaaycagtt ttggtwataa ygttwatag tcmtaaataa acaakgcttt gacttatttc	540
aaaaaaaaaaaa aaaaaaaaaaa	558

<210> 182

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 182

acagggwttk grggatgcta agscccrga rwtygtttga tccaaaccctg gcttwttttc	60
agagggggaaa atggggccta gaagttacag mscatytagy tggtgcgmtg gcacccctgg	120

cstcacacag astcccgagt agctggact acaggcacac agtcaactgaa gcaggccctg	180
ttwgcaattc acgttgccac ctccaactta aacattcttc atatgtgatg tccttagtca	240
ctaaggttaa actttccac ccagaaaagg caacttagat aaaatcttag agtacttca	300
tactmttcta agtcctcttc cagcctcaact kkgagtcctm cytgggggtt gataggaant	360
ntctcttgc tttctcaata aartctctat ycatctcatg ttaatttgg tacgcatara	420
awtgstgara aaattaaaaat gttctggtta mactttaaaa araaaaaaaaaaaaaaa	479
<210> 183	
<211> 384	
<212> DNA	
<213> Homo sapien	
<400> 183	
aggcggggagc agaaactaaa gccaaagccc aagaagatg gcagtgcag cactgggcc	60
agtaccagta ccaataacag tgccagtgcc agtgcgcagca ccagtggtg cttcagtgct	120
ggtgccagcc tgaccgcac ttcacattt gggctttcg ctggccttgg tggagctgg	180
gccagcacca gtggcagctc tgggcctgt gtttctcata acaagtgaga ttttagat	240
tgttaatcct gccagtctt ctcttcaagc cagggtgcat cctcagaaac ctactcaaca	300
cagcactcta ggcagccact atcaatcaat tgaagttgac actctgcatt aratctattt	360
gccatttcaa aaaaaaaaaaaa aaaa	384
<210> 184	
<211> 496	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(496)	
<223> n = A,T,C or G	
<400> 184	
accgaatgg gaccgctggc ttataagcga tcatgttynt ccrgtatkac ctcaacgagc	60
agggagatcg agtctatacg ctgaagaaat ttgaccctgat gggacaacag acctgctcag	120
cccatcctgc tcgttctcc ccagatgaca aatactctsg acaccgaatc accatcaaga	180
aacgcttcaa ggtgctcatg acccagcaac cgccgcctgt cctctgaggg tcccttaaac	240
tgatgtctt tctgccacct gttaccctc ggagactccg taaccaaact cttcggactg	300
tgagccctga tgccttttg ccagccatac tcttggcat ccagtcctc gtggcgattg	360
attatgctt gttgaggcaa tcatggtggc atcaccata aagggAACAC atttgacttt	420
ttttctcat atttaaatt actacmagaw tattwmagaw waaatgawtt gaaaaactst	480
aaaaaaaaaaa aaaaaa	496
<210> 185	
<211> 384	
<212> DNA	
<213> Homo sapien	
<400> 185	
gctggtagcc tatggcgkgg cccacggagg ggctcctgag gccacggrac agtgaacttcc	60
caagtatcyt gcgcsgcgtc ttctaccgtc cctacctgca gatttcggtt cagattcccc	120
aggaggacat ggacgtggcc ctcatggagc acagcaactg ytcgtcggag cccggcttct	180
gggcacaccc tcctggggcc caggcgggca cctgcgtctc ccagatgcc aactggctgg	240
tggtgctgt cctcgtcatc ttctgtctcg tggccaaacat cctgcgtggc aacttgctca	300
ttgccatgtt cagttacaca ttccggaaag tacaggcga cagcgatctc tactggaaag	360
gcgcagcggtt accgcctcat ccgg	384

```

<210> 186
<211> 577
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (577)
<223> n = A,T,C or G

<400> 186
gagttagctc ctccacaacc ttgatgaggt cgtctgcagt ggcctctcg ttcataaccgc 60
tnccatcgctc atactgttagg tttgccacca cytcctggca tcttggggcg gcntaatatt 120
ccagggaaact ctcaatcaag tcaccgtcga tgaacacctgt gggctggttc tgtctccgc 180
tcggtgtgaa aggatctccc agaaggagtg ctcgatctc cccacacttt tgatgacttt 240
attgagtcga ttctgcatgt ccagcaggag gttgtaccag ctctctgaca gtgaggtcac 300
cagccctatc atgccgttga mcgtgccgaa garcaccgag ccttgtgtgg gggkkgaagt 360
ctcacccaga ttctgcatta ccagagagcc gtggccaaag acattgacaa actcgcccag 420
gtggaaaaaag amcamctcct ggargtgctn gccgctcctc gtcmttggt ggcagcgctw 480
tcctttgac acacaaacaa gttaaaggca tttcagccc ccagaaantt gtcatcatcc 540
aagatntcgc acagcactna tccagttggg attaaat 577

<210> 187
<211> 534
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (534)
<223> n = A,T,C or G

<400> 187
aacatcttcc tgtataatgc tgtgttaatat cgatccgatn ttgtctgstg agaatycatw 60
actkgggaaa gmaacattaa agcctggaca ctggtattaa aattcacaat atgcaacact 120
ttaaacagtg tgtcaatctg ctcccyynac tttgtcatca ccagtctggg aakaagggtta 180
tgccctattt acacctgtta aaagggcgt aagcatttt gattcaacat cttttttttt 240
gacacaagtc cgaaaaaaagc aaaagtaaac agttatyaat ttgttagcca attcactttc 300
ttcatgggac agagccatyt gattaaaaaa gcaaattgca taatattgag ctttyggagc 360
tgatatttga gcgaaagagt agccttcta ctccaccaga cacaactccc tttcatattg 420
ggatgttnac naaagtwtg tctctwacag atggatgct tttgtggcaa ttctgttctg 480
aggatctccc agtttattta ccacttgcac aagaaggcgt tttcttcctc aggc 534

<210> 188
<211> 761
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1) ... (761)
<223> n = A,T,C or G

<400> 188

```

agaaaaccagt	atctctnaaa	acaacctctc	ataccttgc	gacctaattt	tgtgtgcgtg	60
tgtgtgtgcg	cgcataattat	atagacaggc	acatctttt	tactttgtt	aaagctttag	120
cctcttgg	atctatatct	gtgaaagttt	taatgatctg	ccataatgtc	ttggggacct	180
ttgtcttctg	tgaaaatgg	actagagaaaa	acacctatnt	tatgagtca	tctatgtngt	240
tttattcgac	atgaaggaaa	tttccagatn	acaacactna	caaactctcc	ctkgackarg	300
ggggacaag	aaaagcaaaa	ctgmcataa	raaacaatwa	cctggtgaga	arttgataa	360
acagaaaatwr	ggtagtata	tgaarnacag	catcattaaa	rmgttwtktt	wttctccctt	420
gcaaaaaaaca	tgtacngact	tcccgttgag	taatgccaag	ttgtttttt	tatnataaaa	480
cttgccttc	attacatgtt	tnaaagtgg	gtggtggcc	aaaatattga	aatgatggaa	540
ctgactgata	aagctgtaca	aataagcgt	gtgcctaaca	agcaacacag	taatgttgac	600
atgcttaatt	cacaaatgct	aatttcatta	taaatgtttg	ctaaaataca	ctttgaacta	660
tttttctgt	ttcccagagc	tgagatntt	gattttatgt	agtatnaagt	aaaaaantac	720
aaaaataata	acattgaaga	aaaananaaa	aaanaaaaaa	a		761

<210> 189
<211> 482
<212> DNA
<213> *Homo sapien*

```
<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A, T, C or G
```

<400> 189	
ttttt.tttgccgatn ctactatTTT attgcaggan gtgggggtgt atgcaccgca	60
gggct atnagaagca agaaggaagg agggaggggca cagcccccttg ctgagcaaca	120
gcctg ctgccttctc tgtctgtctc ctgggtgcagg cacatgggga gaccttcccc	180
agggg ccaccagtcc aggggtggga atacaggggg tgggangtgt gcataagaag	240
ggcac aggccacccg gtacagaccc ctcggctcct gacaggtnga tttcgaccag	300
tgtgc cctgcccagg cacagcgtan atctggaaaa gacagaatgc tttccctttc	360
tggct ngtcatngaa nggycantt tccaanttng gctnggtctt ggtacncttg	420
ggcca gctccncgtc caaaaantat tcacccnnct ccnaattgct tgcnngnccc	480
	482

```
<210> 190
<211> 471
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G
```

```

<400> 190
ttttt ttttaaaaca gtttttcaca acaaaaattta tttagaagaat agtggtttg 60
tctcg catccagtga gaactaccat acaccacatt acagctngga atgtnctcca 120
ctggc caaatgatac aatggAACCA ttcaatctta cacatgcacg aaagaacaag 180
ttgac atacaatgca caaaaaaaaaa agggggggggg gaccacatgg attaaaattt 240
actca tcacatacat taagacacag ttcttagtcca gtcnAAAATC agaactgcnt 300
aattt catgtatgca atccAACCAA agaacttnat tggtgatcat gantnctcta 360
tcnac cttgtatcatt gccaggaacn aaaagtttAA ancacncngt acaaaaanaa 420
aattn anttcaacct ccgtacngaa aaatntnnnt tatacactcc c 471

```

```

<210> 191
<211> 402
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

<400> 191
gagggatgttga aggtctgttc tattgtcggtt ctgttcagcc accaactcta acaagttgtc . 60
gtcttccact cactgtctgt aagctttta accccagacwg tatcttcata aatagaacaa . 120
attcttcacc agtcacatct tcttaggacct ttttggatcc agtttagtata agctcttcca . 180
cttccttgtt taagacttca tctggtaaag tcttaagtt tggtagaaagg aattyaaattg . 240
ctcgttctctt aacaatgtcc tctccttgaa gtatggctt gaacaaccca cctaaagtcc . 300
ctttgtgcattt ccattttaaa tatacttaat agggcatttgk tncacttaggt taaattctgc . 360
aagagtcatc tgctcgaaa agttgcgttta gtatctgc ca . 402

<210> 192
<211> 601
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(601)
<223> n = A,T,C or G

<400> 192
gagctcgat ccaataatct ttgtctgagg gcagcacaca tatncagtgc catggnaact . 60
ggcttacccc acatgggagc agcatgccgt agntatataa ggtcattccc tgagtcaagac . 120
atgcyyttt gaytaccgtg tgccaaatgc tggtgattct yaacacacyt ccatcccgyt . 180
cttttggaa aaaactggca cttktctgga actagcarga catcaactac aaattcacc . 240
acgagacact tggaaagggtt aacaaagcga ytcttgattt gcttttgtc cctccggcac . 300
cagttgtcaa tactaacccg ctgggttgcc tccatcacat ttgtgatctg tagctctgga . 360
tacatctcct gacagtactg aagaacttct tcttttgttt caaaagcara tcttgggtcc . 420
tggatca ggttcccatt tcccagtcyyt aatgttcaca tggcatattt wacttcccac . 480
aaaacatgc gatttgagggc tcagcaacag caaatcctgt tccggcattt gctgcaagag . 540
cctcgatgtt gcccggccagc gccaaggcag ggcggcgttga gccccaccagc agcagaagca . 600
g . 601

<210> 193
<211> 608
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

<400> 193
atacagccca natccacca cgaagatgcg cttgttgact gagaacctga tgcggtaact . 60
ggtccccctg tagccccagc gactctccac ctgctggaaag cggttgatgc tgcactcytt . 120

```

cccaacgcag	gcagmagcgg	gsccggtcaa	tgaactccay	tcgtggcttg	gggtkgacgg	180
tkaaagtgcag	gaagaggctg	accacctcgc	ggtccaccag	gatccccgac	tgtgcgggac	240
ctgcagcgaa	actcctcgat	ggtcatgagc	gggaagcgaa	tgaggcccag	ggccttgc	300
agaaccttcc	gcctgttctc	tggcgtcacc	tgcagctgct	gccgctgaca	ctcggcctcg	360
gaccagcgga	caaacggcrt	tgaacagccg	cacctcacgg	atgcccagtg	tgtcgcgctc	420
caggammgsc	accagcgtgt	ccaggtcaat	gtcggtaag	ccctccgcgg	gtratggcgt	480
ctgcagtgtt	tttgcgtatg	ttctccaggc	acaggctgac	cagctgcgg	tcatcgaaga	540
gtcgcgcctg	cgtgagcagc	atgaaggcgt	tgtcggtcg	cagttcttct	tcaggaactc	600
	cacgcaat					608

<210> 194

<211> 392

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (392)

<223> n = A,T,C or G

<400> 194

gaacggctgg	accttgcctc	gcatttgct	tgctggcagg	gaataaccttg	gcaaggcagy	50
ccagtcggag	cagccccaga	ccgctgccgc	ccgaagctaa	gcctgcctct	ggccttcccc	120
tccgcctcaa	tgcagaacca	gtatgggag	cactgtgtt	agagttaaaga	gtgaacactg	180
tttgatttta	cttggaaatt	tcctctgtta	tatagtttt	ccaaatgcta	atttccaaac	240
aacaacaaca	aaataaacatg	tttgcctgtt	aagttgtata	aaagtaggtg	attctgtatt	300
taaagaaaat	attactgtta	cataactgc	ttgcaatttc	tgtatttatt	gktnctstgg	360
aaataaaat	agttattaaa	ggttgcant	cc			392

<210> 195

<211> 502

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (502)

<223> n = A,T,C or G

<400> 195

ccsttkgagg	ggtkaggkyc	cagttycgga	gttggaaagaaa	caggccagga	gaagtgcgtg	60
ccgagcttag	gcagatgttc	ccacagtgc	ccccagagcc	stgggstat	gtytctgacc	120
cctcncaagg	aaagaccacs	ttctggggac	atgggctgga	gggcaggacc	tagaggcacc	180
aagggaagggc	cccatccgg	ggstgttccc	cgaggaggaa	gggaaggggc	tctgtgtgcc	240
ccccasgagg	aagaggccct	gagtccctgg	atcagacacc	ccttcacgtg	tatccccaca	300
caaatgcaag	ctcaccaagg	tcccctctca	gtccccttcc	stacaccctg	amcggccact	360
gscscacacc	caccagagc	acgccacccg	ccatgggar	tgtgctcaag	gartcgcnng	420
gcarcgtgga	catctngtcc	cagaaggggg	cagaatctcc	aatagangga	ctgarcmstt	480
gctnanaaaa	aaaaanaaaa	aa				502

<210> 196

<211> 665

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(665)
 <223> n = A,T,C or G

<400> 196

ggtaacttgg tttcattgcc accacttagt ggatgtcatt tagaaccatt ttgtctgctc 60
 cctctggaaag ccttgcgcag agcggacttt gtaattgtt gagaataact gctgaatttt 120
 wagctgtttk gagttgatts gcaccactgc acccacaact tcaatatgaa aacyawttga 180
 actwatttat tatacttgcataaa aagtataac aatgaaaatt ttgttcatac tgtattkac 240
 aagtatgatg aaaagcaawa gatataattt cttttattt gttaaattat gattgccatt 300
 attaattcgcc aaaatgtgga gtgtatgtt tttcacagt aatataatgcc ttttgcata 360
 tcacttgcgtt attttattt aatgartta caaaattctt aatttaagar aatggatgt 420
 watattttt tcattaattt ctttcctkgt ttacgtwaat tttgaaaaga wtgcattgatt 480
 tcttgacaga aatcgatctt gatgctgtgg aagtagttt acccacatcc ctatgagtt 540
 ttctttagaat gtataaaggt ttagccat cnaacttcaa agaaaaaaat gaccacatac 600
 tttgcaatca ggctgaaatg tggcatgctn ttcttaattcc aactttataa actagcaaa 660
 aagtg 665

<210> 197
 <211> 492
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(492)
 <223> n = A,T,C or G

<400> 197

ttttnttttt ttttttttgc aggaaggatt ccatttatttggatgcatt ttcacaat 60
 atgtttatttggagcgatcca ttatcagtga aagtatcaa gtgttataa natttttagg 120
 aaggcagatt cacagaacat gctngtcngc ttgcagttt acctcgtana gatnacagag 180
 aattatagtc naaccagtaa acnaggaatt tactttcaa aagattaaat ccaaactgaa 240
 caaaattcta ccctgaaact tactccatcc aaatattgga ataanagtca gcagtgatac 300
 attctctctt gaacctttaga ttttcttagaa aaatatgtaa tagtgatcag gaagagctct 360
 tgttcaaaag tacaacnaag caatgttccc ttaccatagg ctttaattca aactttgatc 420
 catttcactc ccatcacggg agtcaatgct acctgggaca cttgttatttt gttcatnctg 480
 ancntggctt aa 492

<210> 198
 <211> 478
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

<400> 198

ttnttttgn atttcantct gtannaanta ttttcattat gtttattana aaaatatnaa 60
 tgnntccacn acaaattcatn ttacntnagt aagaggccan ctacattgtt caacatacac 120
 tgagtatatt ttgaaaagga caagttaaa gtanacncat attgccganc atancacatt 180
 tatacatggc ttgattgata ttttagcacag canaaactga gtgagttacc agaaanaaaat 240

gctagcaagg taacagggtta	gggcatggtt acatgttcag	gtcaacttcc tttgtcgtgg	120
ttgattggtt tgcatttatg	ggggcggggt gggtagggg	aaancgaagc anaantaaca	180
tggagtgggt gcaccctccc	tgtagaacct gtttacnaaa	gcttggggca gttcacctgg	240
tctgtgaccg tcattttctt	gacatcaatg ttattagaag	tcagatatac ttttagagag	300
tccactgtnt ctggagggag	attagggttt cttgccaana	tccaancaaa atccacntga	360
aaaagttgga tgatncangt	acngaataacc ganggcatan	ttctccatant cggtgccca	419

<210> 202

<211> 509

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(509)

<223> n = A,T,C or G

<400> 202

tttntttttt tttttttttt	tttttttttt tttttttttt	tttttttttt tttttttttt	60
tggcactaa tccattttta	tttcaaaatg tctacaaant	ttnaatncnc cattatacng	120
gttnatttnc	aaaatctaaa nnttattcaa	attnnagcca aantccctac	180
gtacncncaa	aatcaaaaat atacnntct	ttcagcaaac ttngttacat	240
aatatatacg	gctgggtttt tcaaagtaca	aaattaaaaaa	300
ggaactaaaa	attatcttaa cactgcaaac	atnnttnnaa	360
caacancnnc	ttttactnca ctttggatcttaac	ttttttttttt	420
nattataaaa	ttttactnca ctttggatcttaac	ttttttttttt	480
atcatatctc	ttttttttttt	ccattgtntt gggcccaaca	509
ttttttttttt	ttttttttttt	ttttttttttt	
caatggnaat	ttttttttttt	ttttttttttt	
ccnccncncc	ttttttttttt	ttttttttttt	
tggactagt	ttttttttttt	ttttttttttt	

<210> 203

<211> 583

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 203

tttttttttt ttttttttga	ccccccctttt ataaaaaaaca	agttaccatt ttatTTTact	60
tacacatatt tattttataa	ttggatttag atattcaaaa	ggcagctttt aaaatcaaac	120
taaatggaaa ctgccttaga	tacataattc ttagaatta	gctttaaaatc tgcctaaagt	180
gaaaatctc tctagctctt	ttgactgtaa attttgact	tttgcctaaac atccaaattc	240
atttttctt tctttaaaat	tatctaattt ttccattttt	tccctattcc aagtcaattt	300
gcttctctag cctcatttcc	tagctttat ctactattag	taatggctt ttttccctaaa	360
agggaaaaca ggaagagana	atggcacaca aaacaaacat	tttatattca tattttctacc	420
tacgttaata aaatagcatt	ttgtgaagcc agctcaaaag	aaggcttaga tcctttttag	480
tccatTTtag tcactaaacg	atatcnaaag tgccagaatg	caaaaggttt gtgaacattt	540
attcaaaagc	ttatTCacat	actcatctt ctg	583

<210> 204

<211> 589

<212> DNA

<213> Homo sapien

```

<220>
<221> misc_feature
<222> (1)...(589)
<223> n = A,T,C or G

<400> 204
ttttttttt tttttttttt ttttttnctc ttctttttt ttganaatga ggatcgagtt 60
tttcactctc tagatagggc atgaagaaaa ctcatcttc cagctttaaa ataacaatca 120
aatctcttat gctatatcat attttaagtt aaactaatga gtcactggct tatcttctcc 180
tgaaggaaat ctgttcattc ttctcattca tatagttata tcaagtacta ccttgcatat 240
tgagagggtt ttcttctcta tttacacata tatttccatg tgaatttgc tcaaaccctt 300
attttcatgc aaactagaaa ataatgtntt ctttgcata agagaagaga acaatatnag 360
cattacaaaa ctgctcaaat tgttgttaa gnttatccat tataattagt tnggcaggag 420
ctaatacataa tcacattac ngacnagcaa taataaaaact gaagtaccag ttaaatatacc 480
aaaataatta aaggaacatt tttagcctgg gtataattag ctaattcact ttacaagcat 540
ttattnagaa tgaattcaca tgttattatt ccntagccca acacaatgg 589

<210> 205
<211> 545
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

<400> 205
ttttttttt ttttttcagt aataatcaga acaatattta tttttatatt taaaattcat 60
agaaaagtgc cttacattt aaaaaagttt gtttctcaaa gtgatcagag gaatttagata 120
tngtcttgaa caccaatatt aatttgagga aaatacacca aaatacatta agtaaattat 180
ttaagatcat agagcttgta agtggaaaaga taaaatttga cctcagaaac tctgagcatt 240
aaaaatccac tattagcaaa taaattacta tggacttctt gcttaattt tgtgatgaat 300
atgggggtgc actggtaaac caacacattc tgaaggatcac attacttagt gatagattct 360
tatgtacttt gctanatnac gtggatcatga gttgacaagt ttcttcttct tcaatcttt 420
aaggggcnga ngaaatgagg aagaaaaagaa aaggattacg catactgttc ttctatngg 480
aaggattaga tatgtttcct ttgccaatat taaaaaaaata ataatgttta ctactagtga 540
aaccc 545

<210> 206
<211> 487
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(487)
<223> n = A,T,C or G

<400> 206
ttttttttt ttttttagtc aagtttctna tttttattat aattaaagtc ttggcattt 60
catttattag ctctgcaact tacatattt aattaaagaa acgttnttag acaactgttna 120
caatttataa atgttaagggtg ccattattga gtnatatat tcctccaaga gtggatgtgt 180
cccttctccc accaactaat gaancagcaa cattagtttta attttattag tagtnatac 240
actgctgcaa acgctaattc tcttctccat ccccatgtng atattgtgtatgtgtgag 300

```

ttggtnagaa tgcatacana atctnacaat caacagcaag atgaagctag gcntgggctt	360
tcggtgaaaa tagactgtgt ctgtctgaat caaatgatct gacctatcct cggtgcaag	420
aactcttcga accgcttcct caaaggcngc tgccacattt gtggcntctn ttgcacttgt	480
ttcaaaa	487

<210> 207
 <211> 332
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (332)
 <223> n = A,T,C or G

<400> 207

tgaattggct aaaagactgc attttanaa ctagcaactc ttatttcttt cctttaaaaaa	60
tacatagcat taaatcccaa atcctattta aagacctgac agcttgagaa ggtcactact	120
gcatttatag gacctctgg tggttctgct gttacntttg aantctgaca atccttgana	180
atcttgcatttgcat gcagaggagg taaaaggtat tggattttca cagaggaana acacagcgca	240
gaaatgaagg ggccaggctt actgagctt tccactggag ggctcatggg tgggacatgg	300
aaaagaaggc agcctaggcc ctggggagcc ca	332

<210> 208
 <211> 524
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (524)
 <223> n = A,T,C or G

<400> 208

agggcgttgtt gcggaggggcg ttactgtttt gtctcagtaa caataaatac aaaaagactg	60
gttgtgttcc ggccccatcc aaccacgaag ttgatttctc ttgtgtgcag agtgaactgat	120
tttaaaggac atggagcttgc tcacaatgtc acaatgtcac agtgtgaagg gcacactcac	180
tcccgcgtga ttacattta gcaaccaaca atagctcatg agtccatact tgtaaatact	240
tttggcagaa tacttnttga aacttgcaga tgataactaa gatccaagat atttcccaa	300
gtaaatagaa gtgggtcata atattaatta cctgttcaca tcagttcca ttacaagtc	360
atgagccag acactgacat caaactaagc ccacttagac tcctcaccac cagtctgtcc	420
tgtcatcaga cagaggctg tcaccttgc caaattctca ccagtcaatc atctatccaa	480
aaaccattac ctgatccact tccggtaatg caccaccttgcgt	524

<210> 209
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 209

gggtgagaa atccagagtt gccatggaga aaattccagt gtcagcattc ttgctccttg	60
tggccctctc ctacactctg gccagagata ccacagtcaa acctggagcc aaaaaggaca	120
caaaggactc tcgacccaaa ctgccccaga ccctctcca	159

<210> 210

```

<211> 256
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(256)
<223> n = A,T,C or G

<400> 210
actccctggc agacaaaaggc agaggagaga gctctgttag ttctgtgtt ttgaactgcc      60
actgaatttc ttccacttg gactattaca tgccanttg gggactaatg gaaaaacgta      120
tggggagatt ttanccaatt tangtntgta aatggggaga ctggggcagg cgggagagat      180
ttgcagggtg naaatgggan ggctggttt ttanatgaac agggacatag gaggtaggca      240
ccaggatgct aaatca      256

<210> 211
<211> 264
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

<400> 211
acattgtttt tttgagataa agcattgaga gagctctcct taacgtgaca caatggaaagg      60
actggAACAC atacccacat ctttggcttg agggataatt ttctgataaa gtcttgcgtt      120
atattcaagc acatatgtt aatattttc agttccatgt ttatagccta gttaaggaga      180
ggggagatac attcngaaag aggactgaaa gaaatactca agtnggaaaa cagaaaaaaga      240
aaaaaaaggag caaatgagaa gcct      264

<210> 212
<211> 328
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G

<400> 212
acccaaaaat ccaatgctga atattggct tcattattcc canattctt gattgtcaaa      60
ggatttaatg ttgtctcagc ttgggcactt cagttaggac ctaaggatgc cagccggcag      120
gtttatataat gcagcaacaa tattcaagcg cgacaacagg ttattgaact tgcccgccag      180
tttaatttca ttcccattga cttgggatcc ttatcatcag ccagagagat tgaaaattta      240
cccctacnac tctttactct ctgganaggg ccagtggtgg tagctataag cttggccaca      300
tttttttttc ctttattcct ttgtcaga      328

<210> 213
<211> 250
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 213
acttatgagc agagcgacat atccnagtgt agactgaata aaactgaatt ctctccagtt 60
taaaggcattg ctcactgaag ggatagaagt gactgccagg agggaaagta agccaaggct 120
cattatgccca aagganatatacattcaat tctccaaact tcttcctcat tccaaagagtt 180
ttcaatattt gcatgaacct gctgataanc catgttaana aacaaatatac tctctnacct 240
tctcatcggt 250

<210> 214
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 214
acccagaatccaaatgctgaa tatttggctt cattattccc agattctttg attgtcaaag 60
gatttaatgt tgcactcgact tgggcacttc agtttaggacc taaggatgccc agccggcagg 120
tttatatatgt cagcaacaatattcaagcgc gacaacaggt tattgaactt gcccggcagt 180
tgaatttcat tcccattgac ttgggatcct tatacatcgc canagagatt gaaaatttac 240
ccctacgact ctttactctc tggagagggc cagttgggtt agctataagc ttggccacat 300
tttttttcc ttatccctt tgcagagat gcatcatttc catatgctan aaaccaacag 360
agtgactttt acaaaaattcc tataganatt gtgaataaaa ccttacctat agttgccatt 420
actttgctct ccctaataata cctc 444

<210> 215
<211> 366
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 215
acttatgagc agagcgacat atccaagtgt anactgaata aaactgaatt ctctccagtt 60
taaaggcattg ctcactgaag ggatagaagt gactgccagg agggaaagta agccaaggct 120
cattatgccca aagganatatacattcaat tctccaaact tcttcctcat tccaaagagtt 180
ttcaatattt gcatgaacct gctgataagc catgttgaga aacaaatatac tctctgacct 240
tctcatcggt aaggcagagggc tgcaggcaac atggaccata gcaaaaaaaa aacttagtaa 300
tccaagctgt ttctacact gtaaccaggt ttccaaaccaaa ggtggaaatc tcctataactt 360
ggtgcc 366

<210> 216
<211> 260
<212> DNA

```

<213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (260)
 <223> n = A,T,C or G
 <400> 216
 ctgtataaac agaactccac tgcangaggg agggccgggc caggagaatc tccgcttgc 60
 caagacaggg gcctaaggag ggtctccaca ctgctnnntaa gggctnttnc attttttat 120
 taataaaaag tnnaaaaggc ctcttctcaa ctttttccc ttngctgga aaatttaaaa 180
 atcaaaaatt tcctnaagtt ntcaagctat catabataact ntatcctgaa aaagcaacat 240
 aattcttcct tccctccctt 260
 <210> 217
 <211> 262
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (262)
 <223> n = A,T,C or G
 <400> 217
 acctacgtgg gtaagttan aaatgttata atttcaggaa naggAACGCA tataattgtt 60
 tcttgcctat aattttctat tttaataagg aaatagcaaa ttgggggtggg ggaaatgttag 120
 ggcattctac agtttggca aaatgcaatt aaatgtggaa ggacagcact gaaaaatttt 180
 atgaataatac tgtatgatta tatgtctcta gagtagattt ataatttagcc acttacccta 240
 atatccttca tgcttgtaaa gt 262
 <210> 218
 <211> 205
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1) ... (205)
 <223> n = A,T,C or G
 <400> 218
 accaagggtgg tgcattaccg gaantggatc aangacacca tcgtggccaa cccctgagca 60
 cccctatcaa ctccctttt tagtaaactt ggaaccttgg aaatgaccag gccaagactc 120
 aggcctcccc agttctactg acctttgtcc ttangtnna ngtccagggt tgcttaggaaa 180
 anaaatcagc agacacaggt gtaaa 205
 <210> 219
 <211> 114
 <212> DNA
 <213> Homo sapien
 <400> 219
 tactgttttgc tctcagtaac aataaataca aaaagactgg ttgtgttccg gccccatcca 60
 accacgaagt tgatttctct tgcgtgcaga gtgactgatt tttaaaggaca tgga 114

<210> 220
 <211> 93
 <212> DNA
 <213> Homo sapien

<400> 220
 actagccagc aaaaaaggca gggtagcctg aattgcttac tgctcttac atttcttta 60
 aaataagcat ttagtgctca gtcctactg agt 93

<210> 221
 <211> 167
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(167)
 <223> n = A,T,C or G

<400> 221
 actangtgca ggtgcgcaca aatatttgct gatattccct tcatcttgc ttccatgagg 60
 tcttttgcac agcctgtggc tctactgttag taagttctg ctgatgagga gccagnatgc 120
 ccccccactac cttccctgac gctcccccana aatcacccaa cctctgt 167

<210> .222
 <211> 351
 <212> DNA
 <213> Homo sapien

<400> 222
 agggcgttgt gcggaggcg gtactgacct cattagtagg aggatgcatt ctggcacccc 60
 gttcttcacc tgcctccaa tccttaaaag gccatactgc ataaagtcaa caacagataa 120
 atgtttgcgt aattaaagga tggatgaaaa aaattaataa tgaatttttgc cataatccaa 180
 ttttctctt tatatttcta gaagaagttt ctttgagcct attagatccc ggaaatctt 240
 taggtgagca tgatttagaga gcttgcgttg tgctttaca tataatcttgc atatttgagt 300
 ctcgtatcaa aacaatagat tggtaaagggt ggtattatttgc tattgataag 351

<210> 223
 <211> 383
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 223
 aaaacaaaca aacaaaaaaaaa acaattcttc attcagaaaa attatcttag ggactgatat 60
 tggtaattat ggtcaattta atwrtrttkt gggcatttc cttacattgt cttgacaaga 120
 ttaaaaatgtc tggccaaaaa ttttgcgttattt tatttggaga cttcttataca aaagtaatgc 180
 tgccaaagga agtctaagga attagtagtg ttcccmtcac ttgtttggag tggctatcc 240
 taaaagattt tgatttcctg gaatgacaat tataattttaa ctttgggggg ggaaanagtt 300
 ataggaccac agtcttcaact tctgatactt gttaattaaat ctttattgc acttggtttg 360

accattaagg tataatgttta aaa	383
<210> 224	
<211> 320	
<212> DNA	
<213> Homo sapien	
<400> 224	
cccccgaagg cttcttggta gaaaatagta cagttacaac caataggaac aacaaaaaaga	60
aaaagtttgt gacattgttag tagggagtgt gtacccctta ctccccatca aaaaaaaaaat	120
ggatacatgg ttaaaggata raagggcaat attttatcat atgttctaaa agagaaggaa	180
gagaaaaatac tactttctcr aaatggaagc ccttaaagtgt gcttgatac tgaaggacac	240
aaatgtgccc gtccatcctc ctttaragtt gcatgacttg gacacggtaa ctgttgcagt	300
tttaractcm gcattgtgac	320
<210> 225	
<211> 1214	
<212> DNA	
<213> Homo sapien	
<400> 225	
gaggactgca gcccgcaactc gcagccctgg caggcgccac tggtcatgga aaacgaattt	60
ttctgctcgg gcgtcctgggt gcatccgcag tgggtgttgt cagccgcaca ctgtttccag	120
aactcctaca ccacgcggct gggcctgcac agtcttgagg ccgaccaaga gccagggagc	180
cagatggtgg agggcagccct ctccgtacgg caccaggagt acaacagacc ctgtcgct	240
aacgaccta tgctcatcaa gttggacgaa tccgtgtccg agtctgacac catccggage	300
atcagcattt cttcgctgtgc ccctaccgcg gggaaactttt gcctcggtt tggctgggt	360
ctgctggcga acggcagaat gcctaccgtg ctgcagtgcg tgaacgtgtc ggtgtgtct	420
gaggaggtct gcagtaagct ctatgacccg ctgttaccacc ccagcatgtt ctgcgcggc	480
ggagggcaag accagaagga ctccctgcaac ggtgactctg gggggccctt gatctgcaac	540
gggtacttgc agggccttgt gtctttcgga aaagccccgt gtggccaagt tggcgtgcca	600
ggtgtctaca ccaacctctg caaatttact gagtggatag agaaaaaccgt ccaggccagt	660
taactctgg gactggaaac ccatgaaatt gaccccaaaa tacatcctgc ggaaggaatt	720
caggaatatac tggcccagc ccctccccc tcaggccccag gagttccagc ccccaagcccc	780
tcctccctca aaccaagggt acagatcccc agccccctctt ccctcagacc caggagtcca	840
gaccccccag cccctccccc ctcagaccca ggagtccagc ccctccccc tcagacccag	900
gagtccagac ccccccagcccc ccctccccc agacccaggg gtccaggccc ccaacccctc	960
ctccctcaga ctcagaggc caagccccca accccctccctt ccccaagaccc agaggtccag	1020
gtcccccagcccc ccctccccc agacccagcg gtccaatgcc acctagactc tccctgtaca	1080
cagtcccccc ttgtggacg ttgacccaaac cttaccagtt ggttttcat tttttgtccc	1140
tttccccctag atccagaaat aaagtctaag agaagcgcaa aaaaaaaaaa aaaaaaaaaa	1200
aaaaaaaaaaa aaaa	1214
<210> 226	
<211> 119	
<212> DNA	
<213> Homo sapien	
<400> 226	
acccagtatg tgcagggaga cggaaacccca tgtgacagcc cactccacca gggttcccaa	60
agaacacctggc ccagtataa tcattcatcc tgacagtggc aataatcagc ataaccagt	119
<210> 227	
<211> 818	
<212> DNA	

<213> Homo sapien

<400> 227

acaattcata	gggacgacca	atgaggacag	ggaatgaacc	cggctctccc	ccagccctga	60
ttttgtcac	atatgggtc	cctttcatt	cttgcaaaa	acactgggtt	ttctgagaac	120
acggacggtt	cttagcacaa	tttgtgaaat	ctgtgtaraa	ccgggcttig	caggggagat	180
aattttctc	ctctggagga	aaggtggta	ttgacaggca	gggagacagt	gacaaggcta	240
gagaaagcca	cgctcggcct	tctctgaacc	aggatggaa	ggcagacccc	tgaaaacgaa	300
gcttgtcccc	ttccaatcag	ccacttctga	gaacccccc	ctaacttct	actggaaaag	360
agggcctcct	caggagcagt	ccaagagttt	tcaaagataa	cgtgacaact	accatctaga	420
ggaaagggtg	caccctcagc	agagaagccg	agagcttaac	tctggtcggt	tccagagaca	480
acctgctggc	tgtcttggga	tgcgcccagc	cttgagagg	ccactacccc	atgaacttct	540
gccatccact	ggacatgaag	ctgaggacac	tgggcttcaa	caactgagttg	tcatgagagg	600
gacaggctct	gccctcaage	cggtcgaggg	cagcaaccac	tctctcccc	tttctcacgc	660
aaagccattc	ccacaaatcc	agaccatacc	atgaagcaac	gagacccaaa	cagtttggct	720
caagaggata	tgaggactgt	ctcagcctgg	cttgggctg	acaccatgca	cacacacaag	780
gtccacttct	agttttcag	cctagatggg	agtgcgtgt			818

<210> 228

<211> 744

<212> DNA

<213> Homo sapien

<400> 228

actggagaca	ctgttgaact	tgtcaagac	ccagaccacc	ccaggtctcc	ttcgtggat	60
gtcatgacgt	ttgacatacc	tttggAACGA	gcctcctcct	tttggaaatgg	aagaccgtgt	120
tcgtggccga	cctggcctct	cctggcctgt	ttcttaatgg	gcggagtcac	atttcaatgg	180
tagaaaatg	ggcttcgtaa	aatagaagag	cagtcaactgt	ggaactacca	aatggcgaga	240
tgctcggtgc	acattgggg	gtttggat	aaaagattt	tgagccaact	attctctggc	300
accagattct	aggccagttt	gttccactga	agctttccc	acagcagtc	acctctgcag	360
gctggcagct	aatggcttg	ccgggtggctc	tgtggcaaga	tcacactgag	atcgatgggt	420
gagaaggcta	ggatgtttgt	ctagtgttct	tagctgtcac	gttggctcct	tccaggttgg	480
ccagacggtg	ttggccactc	ccttctaaaa	cacaggcggcc	ctccctggta	cagtgaccgc	540
ccgtggatag	ccttggccca	ttccagcagt	cccagttatg	catttcaagt	ttggggtttg	600
ttctttcgt	taatgttctt	ctgtgttg	agctgtctc	atttctggg	ctaaggcagca	660
ttgggagatg	tggaccagag	atccactcct	taagaaccag	tggcggaaaga	cactttctt	720
tttcactctg	aagtagctgg	tggt				744

<210> 229

<211> 300

<212> DNA

<213> Homo sapien

<400> 229

cgagtctggg	ttttgtctat	aaagtttgc	ccctcctttt	ctcatccaaa	tcatgtgaac	60
cattacacat	cgaataaaaa	gaaagggtggc	agacttgccc	aacgccaggc	tgacatgtgc	120
tgcaagggtt	ttgttttttta	attattattt	ttagaaacgt	caccacagt	ccctgttaat	180
ttgtatgt	cagccaaactc	tgagaagggtc	ctatTTTCC	acctgcagag	gatccagtc	240
cactaggctc	ctccttgccc	tcacactgga	gtctccgcca	gtgtgggtgc	ccactgacat	300

<210> 230

<211> 301

<212> DNA

<213> Homo sapien

<400> 230
 cagcagaaca aatacaaata tgaagagtgc aaagatctca taaaatctat gctgaggaat 60
 gagcgcacgt tcaaggagga gaagcttgc gaggcagctca agcaagctga ggagctcagg 120
 caatataaaag tcctgggttca cactcaggaa cgagagctga cccagttaa ggagaagttg 180
 cgggaaggga gagatgcctc cctctcattt aatgagcatc tccaggccct cctcactccg 240
 gatgaaccgg acaagtcccc gggcaggac ctccaagaaa cagacctcg 300
 g 301

<210> 231
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 231
 gcaaggcacgc tggcaaattct ctgtcaggc agctccagag aagccattag tcatttttagc 60
 caggaactcc aagtccacat ccttggcaac tggggacttg cgaggtag cttgaggat 120
 ggcacacacgg gacttctcat caggaagtgg gatgttagatg agctgatcaa gacggccagg 180
 tctgaggatg gcaggatcaa tggatgtcagg ccgttggta ccgcataatg tgaacacatt 240
 ttttttggc gacatgccat ccatttctgt caggatctgg ttgatgactc ggtcagcagc 300
 c 301

<210> 232
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 232
 agtaggtatt tcgtgagaag ttcaacacca aaactggAAC atagttctcc ttcaagtgtt 60
 ggcgcacacgc gggcttcctg attctggaaat ataactttgt gtaaattaac agccacccat 120
 agaagagtcc atctgctgtg aaggagagac agagaactct gggttccgtc gtcctgtcca 180
 cgtgctgtac caagtgtcgg tgccagccctg ttacctgttc tcaactgaaaa tctggctaat 240
 gctcttggatg atcacttctg attctgacaa tcaatcaatc aatggcctag agcactgact.. 300
 g 301

<210> 233
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 233
 atgactgtact tcccagtaag gctctctaag gggtaagtag gaggatccac aggatttgag 60
 atgctaaggc cccagagatc gtttgcattca accctttat tttcagaggg gaaaatgggg 120
 cctagaagtt acagagcatc tagctgggtgc gctggcaccc ctggcctcac acagactccc 180
 gagtagctgg gactacagggc acacagtac tgaagcaggc cctgttagca attctatgctg 240
 tacaattaa catgagatga gtagagactt tattgagaaa gcaagagaaa atcctatcaa 300
 c 301

<210> 234
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 234
 aggtccttaca catcgagact catccatgtat tgatatgaat taaaaattaa caagcaaaga 60
 cattttatttccatcatgtatgc ttctttttgtt ttcttctttt cgttttcttc tttttttttt 120

tcaatttcag caacatactt ctcaatttct tcaggattta aaatctttag g	ggattgatct	180
cgcctcatga cagcaagttc aatgttttg ccacctgact gaaccacttc caggagtgc	c	240
ttgatcacca gcttaatggt cagatcatct gcttcaatgg cttcgtagt atagttcttc	t	300
		301

<210> 235
 <211> 283
 <212> DNA
 <213> Homo sapien

<400> 235		
tggggctgtg catcaggccg gtttgagaaa tattcaattc tcagcagaag ccagaatttg		60
aattccctca tcttttaggg aatcatttac caggtttgga gaggattcag acagctcagg		120
tgctttact aatgtctctg aacttctgtc cctctttgtt catggatagt ccaataaata		180
atgttatctt tgaactgtatg ctcataggag agaatataag aactctgagt gatatacaaca		240
ttaggattc aaagaaaatat tagatttaag ctcacactgg tca		283

<210> 236
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 236		
aggtcctcca ccaactgcct gaagcacggt taaaattggg aagaagtata gtgcagcata		60
aatactttta aatcgatcag attccctaa cccacatgca atcttcttca ccagaagagg		120
tcggagcagc atcattaata ccaaggcagaa tgcgtaatag ataaatacaa tggtatatag		180
tgggttagacg gcttcatgag tacagtgtac tggatgtatcg taaatctggac ttgggttgt		240
aagcatcgta taccagttag aagcatcaaa tactcgacat gaacgaatat aaagaacacc		300
a		301

<210> 237
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 237		
cagtggtagt ggtggtagac gtggcggtgg tcgtggtgcc tttttgggtg cccgtcaca		60
actcaatttt tggcgctcc tttttggctt tttccaattt gtccatctca attttctggg		120
ccttggctaa tgccatctag taggatgtcc cagaccagcc atggggatca aacatatcct		180
ttgggttagtt ggtggcaagg tcgtcaatgg cacagaatgg atcagcttct cgtaaatcta		240
gggttccgaa attctttctt ctttggata atgttagttca tatccattcc ctcccttata		300
t		301

<210> 238
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 238		
ggcaggttt tttttttttt ttttttgatg gtgcagaccc ttgcattttt tttttttttt		60
gttcacagtt cagccccctg ctcagaaaac caacgggcca gctaaggaga ggaggaggca		120
ccttggagact tccggagtcg aggctctcca gggttcccca gcccataat cattttctgc		180
accccccgtcc tggaaagcag ctccctgggg ggtggaaatg ggtgactaga agggattca		240
gtgtgggacc cagggctgtt tttcacagt aggaggtgga agggatgact aatttctta		300
t		301

<210> 239
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 239
 ataaggcagct agggaaattct ttatTTAGTA atgtcctaAC ataaaAGTTC acataactgc 60
 ttctgtcaaa ccatgataCT gagCTTGTG acaACCCAGA aataactaAG agaaggcAAA 120
 cataataacct tagagatcaa gaaACATTA cacAGTCAA ctgttAAAA atagCTCAAC 180
 attcagccag tgagtagAGT gtgaatGCCA gcatacacAG tatacaggTC cttcaggGA 239

<210> 240
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 240
 ggtcctaATG aagcAGcAGC ttccacATT taacgcAGGT ttacggGTat actgtcCTT 60
 gggatctGCC ctccAGTGG aCCTTTAAG gaAGAAGTGG gCCCAAGCTA agttccACAT 120
 gctgggtGAG ccAGATGACT tctgttCCCT ggtcacttC ttcaatGGGG cgaatGGGG 180
 ctGCCAGGTT ttAAAATCA tgcttcatCT tgaAGCACAC ggtcacttCA ccctcctCAC 240
 gctgtggGTG tacTTGATG aaaataCCCA ctttGTTGGC ctttctGAAG ctataatGTC 300

<210> 241
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 241
 gaggtctGGT gctgaggGTCT ctgggCTAGG aagaggAGTt ctgtggAGCT ggaAGCCAGA 60
 CCTCTTTGGA ggAAACTCCA gcAGCTATGT tggTGTCTCT gagggAAATGC aacaaggCTG 120
 ctccTCCATG tattggAAAA ctgcaaACTG gACTCAACTG gaAGGAAGTG ctgctGCCAG 180
 tgtGAAGAAC cAGCCTGAGG tgacAGAAAC ggaAGCAAC aggaACAGCC agtCTTTCT 240
 tcctcCTCCT gtcatACGGT ctctCTCAAG catcCTTGT tgTCAGGGC ctAAAAGGGA 300
 g 301

<210> 242
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 242
 ccgaggGTCT gggatGCAAC caatCACTCT gtttCACGTG actTTTATCA ccatacaATT 60
 tggcattt CCTCATTTC tacattGTAG aatcaAGAGT gtaAAATAAT gtatATCGAT 120
 gtcttcaAGA atatATCATT CCTTTTCAc tagAACCCAT tcaAAATAATA agtcaAGAAAT 180
 cttaATATCA acaaATAATAAT caAGCAAACt ggaAGGCAGA ataACTACCA taATTTAGTA 240
 taagtACCA aagtTTTATA aatcaAAAGC cctaatGATA accATTTA gaattcaATC 300
 a 301

<210> 243
 <211> 301
 <212> DNA
 <213> Homo sapien

ccttgatgat	caagggttggg	gcttaagtgg	attaagggag	gcaagttctg	ggttccttgc	240
ctttcaaac	catgaagtca	ggctctgtat	ccctccttt	cctaactgat	attctaacta	300
a						301
<210> 248						
<211> 301						
<212> DNA						
<213> Homo sapien						
<400> 248						
aggtccttgg	agatgccatt	tcagccgaag	gactcttctw	ttcggaaagta	caccctcact	60
attaggaaga	ttcttagggg	taattttct	gaggaaggag	aactagccaa	cttaagaatt	120
acaggaagaa	agtggtttgg	aagacagcca	aagaataaaa	agcagattaa	attgtatcg	180
gtacattcca	gcctgttggc	aactccataa	aaacatttca	gatttaatc	ccgaatttag	240
ctaatgagac	tggatttttgc	tttttatgt	tgtgtgtcgc	agagctaaaa	actcagttcc	300
c						301
<210> 249						
<211> 301						
<212> DNA						
<213> Homo sapien						
<400> 249						
gtccagagga	agcacctgg	gctgaactag	gcttgccctg	ctgtgaactt	gcacttggag	60
ccctgacgct	gctgttctcc	ccgaaaaacc	cgaccgacct	ccgcgatctc	cgtcccgccc	120
ccagggagac	acagcagtga	ctcagagctg	gtcgacact	gtgcctccct	cctcaccgccc	180
catcgtaatg	aattattttgc	aaaattaatt	ccaccatctt	ttagtattct	ggatggaaag	240
actgaatctt	tgactcagaa	ttgtttgctg	aaaagaatga	tgtgactttc	ttagtcattt	300
a						301
<210> 250						
<211> 301						
<212> DNA						
<213> Homo sapien						
<400> 250						
ggctgtgac	aaggacttgc	aggctgtggg	aggcaagtga	cccttaacac	tacacttctc	60
cttatcttta	ttggcttgat	aaacataatt	atttctaaca	ctagcttatt	tccagttgcc	120
cataaggcaca	tcaagtacttt	tctctggctg	gaatagtaaa	ctaaagtatg	gtacatctac	180
ctaaaagact	actatgtgga	ataatacata	ctaataatgt	attacatgtat	ttaaagacta	240
caataaaaacc	aaacatgctt	ataacattaa	gaaaaacaat	aaagatacat	gattgaaacc	300
a						301
<210> 251						
<211> 301						
<212> DNA						
<213> Homo sapien						
<400> 251						
gccgagggtcc	tacatttggc	ccagttccc	cctgcatct	ctccaggggcc	cctgcctcat	60
agacaacctc	ataagagcata	ggagaactgg	ttgccttggg	ggcaggggga	ctgtctggat	120
ggcagggggtc	ctcaaaaatg	ccactgtcac	tgccaggaaa	tgcttctgag	cagtacacct	180
cattgggatc	aatgaaaagc	ttcaagaaat	tttcaggctc	actctcttga	aggcccgaa	240
cctctggagg	ggggcagtgg	aatcccagct	ccaggacgga	tcctgtcgaa	aagatatcct	300
c						301

<210> 252
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 252
 gcaaccatac actctgtttc acgtgacttt tatcaccata caatttgtgg catttcctca . 60
 ttttctacat tgttagaatca agagtgtaaa taaatgtata tcgatgtctt caagaatata 120
 tcattccctt ttcaacttagga acccattcaa aatataagtc aagaatctta atatcaacaa 180
 atatatcaag caaactggaa ggcagaataa ctaccataat ttatgtataag tacccaaagt 240
 tttataaatac aaaagcccta atgataacca tttttagaat tcaatcatca ctgtagaatc 300
 a 301

<210> 253
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 253
 ttccctaaga agatgttatt ttgttgggtt ttgttcccccc tccatctcga ttctcgtaacc 60
 caactaaaaa aaaaaataa agaaaaatg tgctgcgttc tgaaaaataa ctcccttagct 120
 tggtctgatt gtttcagac cttaaaaat. aaacttgttt cacaagctt aatccatgtg 180
 gatttttttt cttagagaac cacaaaaacat aaaaggagca agtccggactg aataacctgtt 240
 tccatagtc ccacaggta ttccctcacat ttctccata ggaaaatgtt tttcccaag 300
 g 301

<210> 254
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 254
 cgctgcgcct ttcccttgaa ggaggggcaa ggccagaggg ggtccaagtg cagcacgagg 60
 aacttgcacca attcccttga agcgggtggg ttaaaccctg taaatggaa caaaatcccc 120
 ccaaatactct tcatacttacc ctgggtggact cctgactgtt gaatttttg gttgaaacaa 180
 gaaaaaaaata aagctttgga ctttcaagg ttgcttaaca ggtactgaaa gactggcctc 240
 actttaaactg agccaggaaa agctgcagat ttattatgg gtgtgttagt gtgcagtgcc 300
 t 301

<210> 255
 <211> 302
 <212> DNA
 <213> Homo sapien

<400> 255
 agcttttttt tttttttttt ttcataaaaa aatagtgttc tttattataa 60
 attactgaaa tgtttctttt ctgaatataa atataaatat gtgcaaagtt tgacttggat 120
 tgggattttg ttgagttctt caagcatctc ctaataccct caagggcctg agtagggggg 180
 agaaaaaagg actggaggtg gaatctttat aaaaaacaag agttagttgag gcagattgtt 240
 aacattatata aaaaacaaga aacaaacaaa aaaatagaga aaaaaaccac cccaaacacac 300
 aa 302

<210> 256
 <211> 301

```

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 256
gttccagaaa acattgaagg tggcttccca aagtctaact agggataccc cctctagcct 60
aggaccctcc tccccacacc tcaatccacc aaaccatcca taatgcaccc agataggccc 120
acccccaaaaa gcctggacac cttgagcaca cagttatgac caggacagac tcatacttat 180
aggcaaatacg ctgctggcaa actggcatta cctgggttgt gggatgggg gggcaagtgt 240
gtggcctctc ggcttggtta gcaagaacat tcaggtagg cctaagttt tcgtgttagt 300
t 301

<210> 257
<211> 301
<212> DNA
<213> Homo sapien

<400> 257
gttgtggagg aactctggct tgctcattaa gtcctactga ttttcaactat cccctgaatt 60
tccccactta tttttgtctt tcactatcg aggccctaga agaggtctac ctgcctccag 120
tcttaccttag tccagtgctac cccctggagt tagaatggcc atccctgaagt gaaaagtaat 180
gtcacatcac tcccttcagt gatttcttgt agaagtgcctt atccctgaat gtcaccaaga 240
tcttaatctt cacatcttta atcttatctc tttgactcctt ctttacaccg gagaaggctc 300
c 301

<210> 258
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 258
cagcagtagt agatgccgtt tgccagcactc cccagcactc ccaggatcg caccagcacc 60
agggggcccg ccaccaggcg cagaagcaag ataaacagta ggctcaagac cagagccacc 120
cccaggccaa caagaatcca ataccaggac tggccaaaat cttccaaatgt cttaacactg 180
atgtctcggg cattgaggct gtcaataana cgctgatccc ctgctgtatg gtgggtcat 240
tggtgatccc tgggagcgcc ggtggagttt cgttggtcca tggaaagcag cgcccacaac 300
t 301

<210> 259
<211> 301
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(301)

```

<223> n = A, T, C or G

<400> 259

tcatatatgc	aaacaaatgc	agactangcc	tcaggcagag	actaaaggac	atctcttggg	60
gtgtcctgaa	gtgatttgga	cccctgaggg	cagacaccta	agtaggaatc	ccagtggaa	120
gcaaagccat	aagaagccc	aggattcctt	gtgatcagga	agtggccag	gaaggtctgt	180
tccagctcac	attcatctg	catgcagcac	ggaccggatg	cgcccaactgg	gtcttggctt	240
ccctccatc	ttctcaagca	gtgtccttgt	tgagccattt	gcatccttgg	ctccagggtgg	300
C						301

<210> 260

<211> 301

<212> DNA

<213> Homo sapien

<400> 260

ttttttttct	ccctaaggaa	aaagaaggaa	caagtctcat	aaaaccaaat	aagcaatgg	60
aaggatgtctt	aacttgaaaa	agatttaggag	tcactggttt	acaagttata	attgaatgaa	120
agaactgtaa	cagccacagt	tggccatttc	atgccaatgg	cagcaaacaa	caggattaac	180
tagggcaaaa	taaataagtg	tgtggaagcc	ctgataagtg	cttaataaac	agactgattc	240
actgagacat	cagtacctgc	ccggcggcc	gctcgagccg	aattctgcag	atatccatca	300
C						301

<210> 261

<211> 301

<212> DNA

<213> Homo sapien

<400> 261

aaatattcga	gcaaattctg	taactaatgt	gtctccataa	aaggcttga	actcagtgaa	60
tctgcttcca	tccacgattc	tagcaatgac	ctctcgac	tcaaagctcc	tcttaagg	120
agcaccaact	attccatatac	attcatcagc	aggaaataaa	ggctcttcag	aaggttcaat	180
ggtgacatcc	aatttcttct	gataatttag	attcctcaca	accttcctag	ttaagtgaag	240
ggcatgtatga	tcatccaaag	cccagtggtc	acttactcca	gactttctgc	aatgaagatc	300
a						301

<210> 262

<211> 301

<212> DNA

<213> Homo sapien

<400> 262

gaggagagcc	tgtacagca	tttgtaagca	cagaatactc	caggagtatt	tgtaattgtc	60
tgtgagcttc	ttggccgcaag	tctctcagaa	atttaaaaag	atgcaaattcc	ctgagtcacc	120
cctagacttc	ctaaaccaga	tcctctgggg	ctggAACCTG	gcactctgca	tttgtaatga	180
gggctttctg	gtgcacacct	aattttgtgc	atctttgcc	taaatcctgg	attagtgccc	240
catcattacc	cccacattat	aatggatag	attcagagca	gatactctcc	agcaaagaat	300
C						301

<210> 263

<211> 301

<212> DNA

<213> Homo sapien

<220>

```

<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

<400> 263
tttagcttgt ggtaaatgac tcacaaaact gatTTaaaaa tcaagttaat gtgaattttg      60
aaaattacta cttaatccta attcacaata acaatggcat taaggttga cttgagttgg      120
ttcttagtat tatttatggt aaataggctc ttaccacttg caaataactg gccacatcat      180
taatgactga ctccccagta aggctctcta aggggtaagt angaggatcc acaggatttg      240
agatgctaag gccccagaga tcgtttgatc caaccctttt atttcagag gggaaaatgg      300
g                                         301

<210> 264
<211> 301
<212> DNA
<213> Homo sapien

<400> 264
aaagacgta aaccactcta ctaccacttg tggaaactctc aaaggtaaa tgacaaascc      60
aatgaatgac tctaaaaaca atatttacat ttaatggttt gtagacaata aaaaaacaag      120
gtggatagat ctagaattgt aacattttaa gaaaaccata scattgaca gatgagaaaag      180
ctcaattata gatgcaaagt tataactaaa ctactatagt agtaaagaaa tacatttcac      240
acccttcata taaattcact atcttggctt gaggcactcc ataaaatgta tcacgtgcat      300
a                                         301

<210> 265
<211> 301
<212> DNA
<213> Homo sapien

<400> 265
tgcccaagtt atgtgtaagt gatatccgcac ccagaggtaa aactacactg tcatctttgt      60
cttcttgta cgcagtattt cttctctggg gagaagccgg gaagtcttct cctggctcta      120
catattcttgc gaaatctcta atcaactttt gttccatttg tttcatttct tcaggaggg      180
tttcagttt gtcaacatgt tctctaacaa cacttgcacca tttctgtaaa gaatccaaag      240
cagtccaaagg ctttgacatg tcaacaacca gcataactag agtatccttc agagatacgg      300
c                                         301

<210> 266
<211> 301
<212> DNA
<213> Homo sapien

<400> 266
taccgtctgc ccttcctccc atccaggcca tctgcgaatc tacatgggtc ctcctattcg      60
acaccagatc actctttctt ctacccacag gcttgcatac agcaagagac acaacctcct      120
ctttctgtt ttccagttt cttccctgtt cttccaccc cttaaatgttctt attcctgggg      180
atagagacac caatacccat aacctcttc ctaagcctcc ttataacccaa gggtgcacag      240
cacagactcc tgacaactgg taaggccat gaactgggag ctcacagctg gctgtgcctg      300
a                                         301

<210> 267
<211> 301
<212> DNA
<213> Homo sapien

```

<400> 267
 aaagagcaca ggcagctca gcctgccctg gccatctaga ctcagcctgg ctccatgggg 60
 gttctcagtg ctgagtccat ccagggaaag ctcacctaga cttctgagg ctgaatctc 120
 atcctcacag gcagcttctg agagcctgat attccttagcc ttgatggtct ggagtaaagc 180
 ctcattctga ttcctctcct tctttctt caagttggct ttcctcacat ccctctgttc 240
 aattcgcttc agcttgtctg ctttagccct cattccaga agcttcttct ctttggcata 300
 t 301

<210> 268
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 268
 aatgtctcac tcaactactt cccagcctac cgtggcctaa ttctggagt tttcttctta 60
 gatcttggga gagctgggttc ttctaaggag aaggaggaag gacagatgta actttggatc 120
 tcgaagagga agtctaattgg aagtaattag tcaacggtcc ttgttagac tcttgaaata 180
 tgctgggtgg ctcaagtggc cctttggag aaagcaagta ttattcttaa ggagtaacca 240
 ctcccattt ttctactttc taccatcatc aattgtatata tatgtattct ttggagaact 300
 a 301

<210> 269
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 269
 taacaatata cactagctat ctttttaact gtccatcatt agcaccaatg aagattcaat 60
 aaaattaccc ttattcacac atctcaaaac aattctgcaa attcttagtg aagtttaact 120
 atagtcacag accttaata ttcacattgt tttctatgtc tactgaaaat aagttcacta 180
 cttttctgga tattctttac aaaatcttataaaaattccct ggtatttatca cccccaattt 240
 tacagtagca caaccacccat atgtatgttt tacatgatag ctctgttagaa gtttcacatc 300
 t 301

<210> 270
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 270
 cattgaagag cttttgcgaa acatcagaac acaagtgcctt ataaaaattaa ttaagccctta 60
 cacaagaata catattccctt ttatttctaa ggagttaaac atagatgtatg ctgatgtgga 120
 gagcttgcgt gtgcagtgcata tattggataa cactattcat ggccgaattt atcaagtcaa 180
 ccaactccctt gaactggatc atcagaagaa ggggtggtgca cgtatatactg cactagataa 240
 tggaccaacc aactaaatttctc tctcaccagg ctgtatcagt aaactggctt aacagaaaaac 300
 a 301

<210> 271
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(301)
 <223> n = A,T,C or G

<400> 271
 aaaagggtct cataagatta acaattaaa taaatatttgc atagaacatt ctttctcatt 60
 tttatagctc atctttaggg ttgatattca gttcatgctt cccttgctgt tcttgatcca 120
 gaattgcaat cacttcatca gcctgtattc gctccaattc tctataaaagt gggtccaagg 180
 tgaaccacag agccacagca caccttttc ccttggtgac tgccttcacc ccatganggt 240
 tctctcctcc agatganaac tgcattgcg cccacattt gggtttata gaagcagtca 300
 C 301

<210> 272
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 272
 taaattgcta agccacagat aacaccaatc aaatggaaca aatcaactgtc ttcaaattgtc 60
 ttatcagaaa accaaatgag cctggaatct tcataatacc taaacatgcc gtatttagga 120
 tccaataatt ccctcatgtat gagcaagaaa aattctttgc gcacccctcc tgcattccaca 180
 gcatcttctc caacaaatata aaccttgagt ggcttcttgt aatctatgtt ctttgggttc 240
 ctaaggactt ccattgcattt tcctacaata ttttctctac gcaccactag aattaaggcag 300
 g 301

<210> 273
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 273
 acatgtgtgt atgtgtatct ttggggaaaan aanaagacat cttgtttayt atttttttgg 60
 agagangctg ggacatggat aatcacwtta ttgctayta tyactttaat ctgactyga 120
 gaaccgtcta aaaataaaat ttaccatgtc dtatattcct tatagtatgc ttatttcacc 180
 tttttctgt ccagagagag ttcgtgtac ananatttma gggtaamac atgmatttgt 240
 gggacttnty ttacngagm accctgccccg sgccctcg makngantt ccgcsananc 300
 t 301

<210> 274
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 274
 cttatataact ctttctcaga ggcaaaagag gagatgggtt atgttagacaa ttctttgagg 60
 aacagtaat gattattaga gagaangaat ggaccaagga gacagaaatt aacttgtaaa 120

tgattctctt	tggaatctga	atgagatcaa	gaggccagct	ttagcttgtg	gaaaagtcca	180
tctaggtatg	gttgcattct	cgtcttctt	tctgcagtag	ataatgaggt	aaccgaaggc	240
aattgtgctt	ctttgataa	gaagcttct	tggcatatc	aggaaattcc	aganaaaagtc	300
c						301

<210> 275

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 275

tcgggtgtcag	cagcacgtgg	cattgaacat	tgcaatgtgg	agccaaacc	acagaaaatg	60
gggtgaattt	ggccaacttt	ctattaactt	atgttggcaa	tttgccacc	aacagtaagc	120
tggcccttct	aataaaagaa	aattgaaagg	tttctcacta	aacgaaatta	agtagtggag	180
tcaagagact	cccaggcctc	agcgtacctg	cccgccgcgc	cgctcgaagc	cgaatttgc	240
agatatccat	cacactggcg	gnccgtcgan	catgcatcta	gaaggnccaa	ttcgccctat	300
a						301

<210> 276

<211> 301

<212> DNA

<213> Homo sapien

<400> 276

tgtcacacata	ctcaataaaat	aatgactgc	attgtggtat	tattactata	ctgattatat	60
ttatcatgtg	acttctaatt	agaaaatgta	tccaaaagca	aaacagcaga	tatacaaaaat	120
taaagagaca	gaagatagac	attaacagat	aaggcaactt	atacattgag	aatccaaatc	180
caatacattt	aaacatttgg	gaaatgaggg	ggacaaatgg	aagccagatc	aaatttgtgt	240
aaaactatcc	agtatgtttc	cttgcttca	tgtctgagaa	ggctctcctt	caatggggat	300
g						301

<210> 277

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 277

tttggatg	tcagtatattt	attacttgcg	ttatgagtgc	tcacctggga	aattctaaag	60
atacagagga	cttggaggaa	gcagagcaac	tgaatttaat	ttaaaagaag	gaaaacattg	120
gaatcatggc	actccgtata	ctttccaaa	tcaacactt	caatccccca	ccctcgctct	180
caccataatg	gggagactaa	agtggccacg	gatttgcctt	angtgtgcag	tgcgttctga	240
gttcnctgtc	gattacatct	gaccagtctc	cttttccga	agtccntccg	ttcaatcttg	300
c						301

<210> 278

<211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 278

taccactaca ctccagcctg ggcaacagag caagacctgt ctcaaagcat aaaatggaat 60
 aacatatcaa atgaaaacagg gaaaatgaag ctgacaattt atggaagccca gggcttgtca 120
 cagtctctac ttttattatg cattacctgg gaatttat aagcccttaa taataatgcc 180
 aatgaacatc tcatgtgtgc tcacaatgtt ctggcactat tataagtgtc tcacagggtt 240
 tatgtttctc tggtaacttt atggantagg tactcggccg cgaacacgct aagccgaatt 300
 C 301

<210> 279
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 279

aaagcaggaa tgacaaagct tgctttctg gtagttctta ggtgtattgt gactttact 60
 gttatattaa ttgccaatat aagtaaatat agattatata tttatagttt ttcacaaagc 120
 tttagacctt accttccagc caccacacag tgcttgatat ttcagagtca gtcattgggt 180
 atacatgtt agttccaaag cacataagct agaanaanaa atatttctag ggagcactac 240
 catctgtttt cacatgaaat gccacacaca tagaactcca acatcaattt cattgcacag 300
 a 301

<210> 280
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 280

ggtactggag ttttcctccc ctgtaaaaac gtaactactg ttgggagtga attgaggatg 60
 tagaaagggtg gtggAACCAA attgtggtca atggaaatag gagaatatgg ttctcaactct 120
 tgagaaaaaa acctaagatt agcccggtt gttgcctgtt acttcagttt ttctgcctgg 180
 gtttgatata gtttaggggtt ggggttagat taagatctaa attacatcag gacaagaga 240
 cagactatta actccacagt taattaagga ggtatgttcc atgtttattt gttaaagcag 300
 t 301

<210> 281
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 281

aggtacaaaga agggaaatgg gaaagagctg ctgctgtggc attgttcaac ttggatattc 60

gccgagcaat ccaaattcctg aatgaagggg catttctga aaaaggagat ctgaatctca	120
atgtggtagc aatggcttta tcgggttata cggatgagaa gaactccctt tggagagaaa	180
tgtgttagcac actgcgatta cagctaaata acccgatatt gtgtgtcatg tttgcatttc	240
tgacaagtga aacaggatct tacgatggag tttgtatga aaacaaagtt gcagtacctc	300
g	301
<210> 282	
<211> 301	
<212> DNA	
<213> Homo sapien	
<400> 282	
caggtactac agaattaaaa tactgacaag caagtagttt cttggcgtgc acgaattgca	60
tccagaaccc aaaaattaag aaattaaaa agacattttg tgggcacctg ctagcacaga	120
agcgcagaag caaagcccag gcagaaccat gctaaccctt cagctcagcc tgcacagaag	180
cgcagaagca aagcccaggc agaaccatgc taaccttaca gtcagcctg cacagaagcg	240
cagaagcaaa gcccaggcag aacatgctaa ctttacagct cagctgcac agaagcacag	300
a	301
<210> 283	
<211> 301	
<212> DNA	
<213> Homo sapien	
<400> 283	
atctgtatac :ggcagacaaa :ttttatagar :ttagagagg tgagcgaaag gatgc当地	60
cactttgagg gctttataat aatatgtgc ttgaaaaaaaaaa aaatgtgttag ttgataactca	120
gtgcatactcc agacatagta aggggttgc ctgaccaatc aggtgatcat tttttctatc	180
acttcccagg ttttatgcaa aaattttgtt aaattctata atgggtatcat gcatctttta	240
ggaaacatat acatttttaa aaatctatcc tatgtaaagaa ctgacagacg aatttgcttt	300
g	301
<210> 284	
<211> 301	
<212> DNA	
<213> Homo sapien	
<400> 284	
caggtacaaa acgttattaa gtggctttaga atttgaacat ttgtggctt tattttacttt	60
gcttcgtgtg tggcaaaagc aacatcttcc ctaaatatattt attaccaaga aaagcaagaa	120
gcagattagg ttttgacaa aacaaacagg caaaaagggg gctgacctgg agcagagcat	180
ggtgagagggc aaggcatgag agggcaagtt tggtgtggac agatctgtgc ctactttatt	240
actggatgaa aagaaaacaa agttcatttga tgtcgaagga tatatacagt gttagaaatt	300
a	301
<210> 285	
<211> 301	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)...(301)	
<223> n = A,T,C or G	

<400> 285
 acatcacat gatcgatcc cccaccatt atacgttgc tgttacata aatactttc 60
 aatgatcatt agtgtttaa aaaaaactact gaaaactcct tctgcattcc aatctctaac 120
 cagggaaagca aatgttattt acagacctgc aagccctccc tcaaacnaaa ctatttctgg 180
 attaaatatg tctgacttct tttgaggtca cacgactagg caaatgctat ttacgatctg 240
 caaaagctgt ttgaagagtc aaagccccca tgtgaacacg atttctggac cctgtaacag 300
 t 301

<210> 286
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 286
 taccactgca ttccagcctg ggtgacagag tgagactccg tctccaaaaa aaactttgct 60
 tgttatattat tttgcctta cagtggatca ttcttagtagg aaaggacagt aagattttt 120
 atcaaaaatgt gtcatgccag taagagatgt tatattctt tctcatttct tccccaccca 180
 aaaataagct accatatagc ttataagtct caaattttg cctttacta aaatgtgatt 240
 gtttctgttc attgtgtatg cttcatcacc tatatttaggc aaattccatt tttcccttg 300
 t 301

<210> 287
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 287
 tacagatctg ggaactaaat attaaaaatg agtgtggctg gatatatgg aatgttggg 60
 cccagaagga acgttagagat cagatattac aacagcttg ttttgggggt tagaaatatg 120
 aaatgatttg gttatgaacg cacagtttag gcagcaggc cagaatcctg accctctgcc 180
 ccgtggat ttcctcccca gcttggctgc ctcatgttat cacagtattc cattttgttt 240
 gttgcatgtc ttgtgaagcc atcaagattt ttcgtctgt ttcctctca ttggtaatgc 300
 t 301

<210> 288
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 288
 gtacaccta ctgcaaggac agctgaggaa tgaaatggc agccgcttt aaagaagtag 60
 agtcaatagg aagacaaatt ccagttccag ctcagtctgg gtatctgcaa agctgcaaaa 120
 gatcttaaa gacaattca agagaatatt tccttaaagt tggcaatttg gagatcatac 180
 aaaagcatct gctttgtga tttaatttag ctcatctggc cactggaaga atccaaacag 240
 tctgccttaa ttttggatga atgcattatg gaaattcaat aatttagaaa gttaaaaaaa 300
 a 301

<210> 289
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)

<223> n = A,T,C or G
 <400> 289
 ggtacactgt ttccatgtta tgtttctaca cattgctacc tcagtgctcc tggaaactta 60
 gcttttgatg tctccaagta gtccaccttc atttaactct ttgaaactgt atcatcttg 120
 ccaagtaaga gtgtggcct atttcagctg ctttgacaaa atgactggct cctgacttaa 180
 cgttctataa atgaatgtgc tgaagcaaag tgcccatgtt ggcggcgaan aagagaaaaga 240
 tggttttgtt tttggactct ctgtggtccc ttccaatgct gtgggttcc aaccagngga 300
 a 301

<210> 290
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 290
 acactgagct cttcttgata aatatacaga atgcttggca tatacaagat tctatactac 60
 tgactgatct gttcatttct ctcacagctc ttaccccaa aagctttcc accctaagtg 120
 ttctgacctc ctttctaat cacagtaggg atagaggcag anccacctac aatgaacatg 180
 gagttctatc aagaggcaga aacagcacag aatcccagg ttaccattcg ctagcagtgc 240
 tgccttgaac aaaaacattt ctccatgtct cattttcttc atgcctcaag taacagttag 300
 a 301

<210> 291
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 291
 caggtaccaa tttcttctat cctagaaaaca tttcattttt tgttgttcaa acataacaac 60
 tatatcagct agatttttt tctatgcttt acctgctatg gaaaatttga cacattctgc 120
 tttactctt tgtttataagg tgaatcaca aatgtatttt tatgtattct gtagttcaat 180
 agccatggct gtttacttca tttaaattttt ttagcataaa gacattatga aaaggcctaa 240
 acatgagctt cacttccccca ctaactaatt agcatctgtt atttcttaac cgtaatgcct 300
 a 301

<210> 292
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 292
 accttttagt agtaatgtct aataataat aagaaatcaa ttttataagg tccatatacg 60
 tgtattaaat aatttttaag tttaaaagat aaaataccat cattttaaat gttggatttc 120
 aaaacccaaag natataaccg aaaggaaaaaa cagatgagac ataaaaatgtat ttgcnagatg 180

ggaaatata tagtattyatga atgttnatta aattccaggta ataatagtgg ctacacactc 240
 tcactacaca cacagacccc acagtcctat atgccacaaa cacatttcca taacttgaaa 300
 a 301

<210> 293
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 293
 ggtaccaagt gctgggtgcca gcctgttacc tggttctact gaaaagtctg gctaatgctc 60
 ttgtgttagtc acttctgatt ctgacaatca atcaatcaat ggccttagagc actgactgtt 120
 aacacacaacg tcactagcaa agtagcaaca gctttaagtc taaatacaaa gctgttctgt 180
 gtgagaattt tttaaaaggg tacttgtata ataacccttg tcattttaa tgtacctcg 240
 ccgcgaccac gctaaagccga attctgcaga tatccatcac actggcggcc gctcgagcat 300
 g 301

<210> 294
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 294
 tgacccataa caatatacac tagctatctt tttaaactgtc catcattagc accaatgaagg 60
 attcaataaa attaccttta ttcacacatc tcaaaacaat tctgcaaatt cttagtgaaag 120
 tttaaactata gtcacaganc ttaaatattc acattgtttt ctatgtctac tgaaaataag 180
 ttcaactactt ttctgggata ttctttacaa aatcttatta aaattcctgg tattatcacc 240
 cccaaattata cagtagcaca accaccttac gtagtttta catgatagct ctgttagaggt 300
 t 301

<210> 295
 <211> 305
 <212> DNA
 <213> Homo sapien

<400> 295
 gtactcttcc tctccccctcc tctgaattta attctttcaa cttgcaattt gcaaggattt 60
 cacatttcac tggatgtat attgtgtgc aaaaaaaaaaa gtgtctttgt taaaattac 120
 ttggtttggat aatccatctt gcttttccc cattggaaact agtcattaac ccattctga 180
 actggtagaa aaacrtctga agagctagtc tatcagcattc tgacaggtga attggatgg 240
 tctcagaacc atttcaccca gacagcctgt ttctatcctg ttaataaaat tagttgggt 300
 tctct 305

<210> 296
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 296
 aggtactatg ggaagctgct aaaataatat ttgatagtaa aagtatgtaa tgtgctatct 60

cacctagtag taaaactaaaa ataaaactgaa actttatgga atctgaagtt attttccttg	120
ataaaataga attaataaaac caaatatgagg aaacatgaaa ccatgcaatc tactatcaac	180
tttgaaaaag tgattgaacg aaccacttag ctttcagatg atgaacactg ataagtcaatt	240
tgtcattact ataaatttta aaatctgtta ataagatggc ctatagggag gaaaaagggg	300
C	301

<210> 297
 <211> 300
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 297	
actgagttt aactggacgc caagcaggca aggctggaag gtttgctct ctttgtgcta	60
aagggtttaa aacacctgaa ggagaatcat ttgacaaga agtacttaag agtctagaga	120
acaaaagangt gaaccagctg aaagctctcg ggggaancctt acatgtgttg ttaggcctgt	180
tccatcatttggagtgact ggccatccct caaaaatttg ctggctggc ctgagtggc	240
accgcacccggccacgctaaagcc gaattctgca gatatccatc acactggcgg	300

<210> 298
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(301)
 <223> n = A,T,C or G

<400> 298	
tatggggttt gtcacccaaa agctgatgct gagaaaggcc tccctgggc ccctcccgcg	60
ggcatctgag agacctggtg ttccagtgtt tctggaaatg ggtcccagtg cccgcggctg	120
tgaagcttc agatcaatca cgggaaggcc ctggcggtgg tggccacctg gaaccaccc	180
gtcctgtctg tttacatttc actaycaggt ttctctggg cattacnatt tgttccctta	240
caacagtgac ctgtgcattt tgctgtggcc tgctgtgtct gcaggtggct ctcagcgagg	300
t	301

<210> 299
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 299

gttttgagac ggagttcac tcttggcc cagactggac tgcaatggca gggtctctgc	60
tcactgcacc ctctgcctcc caggttcgag caattctcct gcctcagcct cccaggtacg	120
tgggattgca ggctcacgcc accataccca gctaattttt ttgtatttt agtagagacg	180
gagtttcgcc atgttggcca gctggctca aactcctgac ctcaagcgac ctgcctgcct	240
cgccctccca aagtgcgttca attataggca tgagtcaaca cgcccagcct aaagatattt	300
t	301

<210> 300

<211> 301
 <212> DNA
 <213> Homo sapien

<400> 300
 attcagttt atttgctgcc ccagtatctg taaccaggag tgccacaaaa tcttgccaga 60
 tatgtccac acccaactggg aaaggctccc acctggctac ttcctctatc agctgggtca 120
 gctgcattcc acaaggttct cagcctaatg agtttcacta cctgccagtc tcaaaaactta 180
 gtaaaagcaag accatgacat tccccacgg aaatcagagt ttgccccacc gtcttgttac 240
 tataaaagcct gcctctaaca gtccttgctt cttcacacca atcccgagcg catccccat 300
 g 301

<210> 301
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 301
 ttaaattttt gagaggataa aaaggacaaa taatctagaa atgtgtcttc ttcaagtctgc 60
 agaggacccc aggtctccaa gcaaccacat ggtcaagggc atgaataatt aaaagtttgt 120
 gggaaactcac aaagaccctc agagctgaga caccacaaac agtgggagct cacaaagacc 180
 ctcagagctg agacacccac aacagtggga gtcacaaaag accctcagag ctgagacacc 240
 cacaacagca cctcgttcag ctgccacatg tgtgaataag gatgcaatgt ccagaagtgt 300
 t 301

<210> 302
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 302
 aggtacacat ttagcttgcgt gtaaatgact cacaaaactg attttaaaat caagttaatg 60
 tgaattttga aaatttactac ttaatcctaa ttcaataaa caatggcatt aagggtttgac 120
 ttgagtttgt tcttagtatt atttatggta aataggctt taccacttgc aaataactgg 180
 ccacatcatt aatgactgac ttcccagtaa ggctctctaa gggtaagta ggaggatcca 240
 caggatttga gatgctaaagg ccccagagat cgtttgcattt aaccctcttta ttttcagagg 300
 g 301

<210> 303
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 303
 aggtaccaac tggaaata ggttagaggat catttttctt ttccatataca actaagttgt 60
 atattgttt ttgacagttt aacacatctt cttctgtcag agattcttc acaatagcac 120
 tggctaatgg aactaccgct tgcattaa aatgggttgt ttgtgaaatg atcataggcc 180
 agtaacgggt atttttctt aactgatctt ttgctcgatc caaaggacc tcaagacttc 240
 catcgatttt atatctgggg tctagaaaag gagttaatct gttttccctc ataaattcac 300
 c 301

<210> 304
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 304
 acatggatgt tattttgcag actgtcaacc tgaatttcta tttgcttgac attgcctaatt
 tattagttc agtttcagct tacccacttt ttgtctgcaa catgcaraas agacagtgc
 cttttagtg tatcatatca ggaatcatct cacattgggt tggccattt ctgggtcagt
 gactttcagc cacttgggtt aggtggagtt ggccatatgt ctccactgca aaattactga
 ttttcctttt gtaattaata agtgtgtgt tgaagattct ttgagatgag gtatataatct
 C 60
 120
 180
 240
 300
 301

<210> 305
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (301)
 <223> n = A,T,C or G

<400> 305
 gangtacagc gtgtcaagg taacaagaag aaaaaaatgt gagtggcatc ctgggatgag 60
 cagggggaca gacctggaca gacacgttgt catttgcgc tgggttggaaaatggcg 120
 taaaggagga gaaacagata caaaatctcc aactcagtat taaggtatttc tcatgcctag 180
 aatattggta gaaaacaagaa tacattcata tggcaataaa ctaaccatgg tggaaacaaaa 240
 ttctgggatt taagttggat accaangaaa ttgttattaa agagctgttc atggaaataag 300
 a 301

<210> 306
 <211> 8
 <212> PRT
 <213> Homo sapien

<400> 306
 Val Leu Gly Trp Val Ala Glu Leu
 1 5

<210> 307
 <211> 637
 <212> DNA
 <213> Homo sapien

<400> 307
 acagggratg aaggaaagg gagaggatga ggaagcccccttgggattt ggtttggtcc 60
 ttgtgatcag gtgtctatg gggcttaccc ctacaaagaa gaatccagaa ataggggcac 120
 attgaggaat gatacttgag cccaaagagc attcaatcat tgtttattt gccttmttt 180
 cacaccattt gtaggggagg gattaccacc ctggggttat gaagatgggtt gaacacccca 240
 cacatagcac cggagatatg agatcaacag tttcttagcc atagagattc acagccccaga 300
 gcaggaggac gctgcacac catgcaggat gacatggggg atgcgctcgg gattgggttg 360
 aagaagcaag gactgttaga ggcaggctt atagtaacaa gacgtgggg caaactctga 420
 tttccgtggg ggaatgtcat ggtcttgctt tactaagtt tgagactggc aggttagtcaa 480
 actcattagg ctgagaacct tggaaatgc acttgaccca sctgatagag gaagtagcca 540
 ggtgggagcc tttccctgt ggtgtggac atatctggca agatgggttgcactcctgg 600
 ttacagatac tggggcagca aataaaactg aatcttg 637

<210> 308

```

<211> 647
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(647)
<223> n = A,T,C or G

<400> 308
acgattttca ttatcatgt aatcggtca ctcaagggc caaccacagc tgggagccac 60
tgctcagggg aaggttcata tgggactt c tactgccc aa ggttctatac aggatataaa 120
ggngccctac agtataagatc tggtagcaaa gaagaagaaa caaacactga tctcttctg 180
ccacccctct gacccttgg aactcctctg accctttaga acaagcctac ctaatatctg 240
ctagagaaaa gaccaacaac ggcccaaag gatctttac catgaaggc tcagctaatt 300
cttggctaag atgtgggtt cacatttagt tctgaatatg gggggaaaggg tcaatttgct 360
cattttgtgt gtggataaaag tcagatgcc cagggggcag agcagggggc tgcttgctt 420
gggaacaatg gctgagcata taaccatagg ttatgggaa caaaacaaca tcaaagtac 480
tgtatcaatt gccatgaaga cttgagggac ctgaatctac cgattcatct taaggcagca 540
ggaccagttt gagtggcaac aatgcagcag cagaatcaat gaaaacaaca gaatgattgc 600
aatgtccctt ttttctcct gcttctgact tgataaaaagg ggaccgt 647

<210> 309
<211> 460
<212> DNA
<213> Homo sapien

<400> 309
actttatagt ttaggctgga cattggaaaa aaaaaaaaaagc cagaacaaca tgtgatagat 60
aatatgattt gctgcacact tccagactga tgaatgatga acgtgatgg ctattttatg 120
gagcacatct tcagcaagag gggaaaatac tcatcattt tgccagcag ttgtttgatc 180
accaaacatc atgccagaat actcagcaaa cttcttagc tcttgagaag tcaaagtccg 240
ggggatattt ttcctggcaa ttttattgg actcctttagt tgagagcagc ggctacccag 300
ctgggggtgtt ggagcgaacc cgtcaactgt ggacatgca gggcagagct cctggtaacc 360
acctagagga atacacagggc acatgtgtga tgccaagcgt gacacctgta gcactcaat 420
ttgtctgtt ttgtcttcc ggtgtgtaa attcttaagt 460

<210> 310
<211> 539
<212> DNA
<213> Homo sapien

<400> 310
acgggactta tcaaataaaag atagaaaaag aagaaaaactc aaatattata ggcagaaatg 60
ctaaaggttt taaaatatgt caggattgga agaaggcatg gataaagaac aaagttcagt 120
tagggaaagag aaacacagaa ggaagagaca caataaaagt cattatgtat tctgtgagaa 180
gtcagacagt aagatttgg gggaaatggg tgggttggat tatggatgtt attttagcaa 240
taatctttat ggcagagaaa gctaaaatcc ttttagcttgc gtgaatgatc acttgctgaa 300
ttcctcaagg taggcatgat gaaggagggt ttagaggaga cacagacaca atgaactgac 360
ctagatagaa agccttagta tactcagctt ggaatagtga ttctggggc acactgtgac 420
atgattatgt cattacatgt atggttagtga tggggatgtt aggaagggaa aactttaggc 480
atattttcac cccccacaaaaa gtcagttaa tattggaca ctaaccatcc aggtcaaga 539

<210> 311
<211> 526

```

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (526)
 <223> n = A,T,C or G

<400> 311

caaattttag	ccaaatgacat	agaattttac	aaatcaagaa	gcttattctg	ggccatttc	60
ttttgacgtt	ttctctaaac	tactaaagag	gcattaaatga	tccataaaatt	atattatcta	120
catttacagc	atttaaaatg	tggtcagcat	gaaatattag	ctacagggga	agctaaataa	180
attaaacatg	gaataaaagat	ttgtccctaa	atataatcta	caagaagact	ttgatatttg	240
tttttcacaa	gtgaagcatt	cttataaaagt	gtcataaacct	ttttggggaa	actatgggaa	300
aaaatgggaa	aactctgaag	gttttaagt	atcttacctg	aagctacaga	ctccataaacc	360
tctctttaca	gggagctcct	gcagccctta	cagaattag	tggctgagat	tcttgattgc	420
acagcaagag	cttctcatct	aaacccttcc	ccttttagt	atctgtgtat	caagtataaa	480
agttctataa	actgttagtnt	acttatttt	atccccaaag	cacagt		526

<210> 312
 <211> 500
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (500)
 <223> n = A,T,C or G

<400> 312

cctctctctc	cccacccccc	gactcttagag	aactgggtt	tctccagta	ctccagcaat	60
tcatttctga	aaggcgttga	gccactttat	tccaaagtac	actgcagatg	ttcaaactct	120
ccatttctct	ttcccttcca	cctgccagtt	ttgctgactc	tcaacttgc	atgagtgtaa	180
gcattaagga	cattatgctt	cttcgattct	gaagacagggc	cctgctcatg	gatgactctg	240
gcttcttagg	aaaatatttt	tcttccaaaa	tcttaggaa	atctaaactt	atccccttt	300
tgcagatgtc	tagcagcttc	agacatttg	ttaagaaccc	atggaaaaaa	aaaaaaatcct	360
tgctaatgtg	gtttcctttt	taaaccanga	ttcttatttg	nctggatag	aatatcagct	420
ctgaacgtgt	gttaaagatt	tttgttttg	aatataggag	aaatcagttt	gctgaaaaagt	480
tagtcttaat	tatctattgg					500

<210> 313
 <211> 718
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (718)
 <223> n = A,T,C or G

<400> 313

ggagatttgt	gtgtttgca	gccgagggag	accaggaaga	tctgcatggt	ggaaaggacc	60
tgatgataca	gaggtgagaa	ataagaaagg	ctgctgactt	taccatctga	ggcccacacat	120
ctgctgaaat	ggagataatt	aacatcacta	gaaacagcaa	gatgacaata	taatgtctaa	180
gtagtgacat	gtttttgcac	atttccagcc	cttttaaata	tccacacaca	caggaagcac	240

aaaaggaagc acagagatcc ctgggagaaa tgcccgccg ccatcttggg tcatcgatga 300
 gcctcgccct gtgcctgntc ccgccttgta gggaggaca ttagaaaatg aattgatgtg 360
 ttccttaaag gatggcagga aaacagatcc tgggtggat atttatttga acgggattac 420
 agatttggaa tgaagtcaca aagtgagcat taccaatgag aggaaaacag acgagaaaaat 480
 cttgatggtt cacaagacat gcaacaaaca aaatggaata ctgtgatgac acgagcagcc 540
 aactggggag gagataccac gggcagagg tcaggattct ggcctgctg ccttaactgtg 600
 cgttataccca atcatttcta tttctaccct caaacaagct gtngaatatc tgacttacgg 660
 ttcttntggc ccacatttcc atnatccacc ccntcnntt aannttantic caaantgt 718

<210> 314

<211> 358

<212> DNA

<213> Homo sapien

<400> 314

gtttattttac attacagaaa aaacatcaag acaatgtata ctatttcaaa tatatccata 60
 cataatcaaa tatacgctgt gtacatgttt tcattgggtgt agattaccac aaatgcaagg 120
 caacatgtgt agatctcttgc tcttatttctt ttgtctataa tactgtattt tgtagtccaa 180
 gctctcgta gtccagccac tgtgaaacat gctcccttta gattaacctc gtggacgctc 240
 ttgtgttattt gctgaaactgt agtgcctgtt attttgcctc tgtctgtgaa ttctgttgc 300
 tctggggcat ttccctgtgt tgcagaggac caccacacag atgacagcaa tctgaatt 358

<210> 315

<211> 341

<212> DNA

<213> Homo sapien

<400> 315

taccacctcc ccgcgtggcac tgatgagccg catcaccatg gtcaccagca ccatgaaggc 60
 atagggtatg atgaggaat ggaatgggccc cccaaaggatg gtctgtccaa agaagcgagt 120
 gaccccccattt ctgaagatgt ctggAACCTC taccagcagg atgatgatag ccccaatgac 180
 agtcaccacgc tccccggacca gcccggatata gtccttaggg gtcatgttggg cttcctgtgaa 240
 tagcttctgc tgttaagaggg tgggtgtcccg ggggctcggtt cgggttattgg ttctgggctt 300
 gagggggccgg tagatgcagc acatggtaa gcaatgtatgtt 341

<210> 316

<211> 151

<212> DNA

<213> Homo sapien

<400> 316

agactgggca agactcttac gccccacact gcaatttggc tttgttgcgg tatccattta 60
 tggggcctt tctcgagttt ctgattataa acaccactgg agcgatgtgt tgactggact 120
 cattcagggc gctctgggtt caatattttt 151

<210> 317

<211> 151

<212> DNA

<213> Homo sapien

<400> 317

agaaacttagtg gatcctaattt aataacctgtt aacatataattt ggcattttatc aatggctcaa 60
 atcttcattt atctctggcc ttaaccctgg ctcctgagggc tgcggccagc agatcccagg 120
 ccagggctctt gttcttgccca cacctgcttgc a 151

<210> 318
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 318
 actgggtggga ggcgcgttt agttggctgt tttcagaggg gtcttcgga gggacccct 60
 gctgcaggtt ggagtgtctt tattccctggc gggagaccgc acattccact gctgaggctg 120
 tgggggcggt ttatcaggca gtgataaaca t 151

<210> 319
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 319
 aactagtggatccagagcta taggtacagt gtgatctcag ctttgcacac acattttcta 60
 catagatagt actaggatt aatagatatg taaagaaaaga aatcacacca ttaataatgg 120
 taagattggg tttatgtat tttatgggt a 151

<210> 320
 <211> 150
 <212> DNA
 <213> Homo sapien

<400> 320
 aactagtggatccactagtc cagtgtggc gaattccatt gtgttgggt tctagatgc 60
 gagcggctgc cttttttttt ttttttttgg gggggaaatt tttttttttt aatagttatt 120
 gagtgttcta cagcttacag taaataccat 150

<210> 321
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 321
 agcaactttg ttttcatcc agttttttt aggcttaga tttcctctca cactgcagg 60
 tagggtgca ttgttaaccag ctatggcata ggtttaacc aaaggctgag taaacatgg 120
 tgccctctgag aaatcaaagt cttcatacac t 151

<210> 322
 <211> 151
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (151)
 <223> n = A,T,C or G

<400> 322
 atccagcatc ttccctgtt tcttgccttc cttttcttc ttcttasatt ctgcttgagg 60
 tttgggcttgc gtcagttgc cacagggctt ggagatggtg acagtcttct ggcattcggc 120
 attgtgcagg gctcgcttca nacttccagt t 151

<210> 323
 <211> 151
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(151)
 <223> n = A,T,C or G

<400> 323
 tgaggacttg tkttctttt ctttatTTTT aatcctctta ckttgtaat atattgccta 60
 nagactcant tactacccag tttgtggTTT twtgggagaa atgtaactgg acagttagct 120
 gttcaatyaa aaagacactt anccatgtg g 151

<210> 324
 <211> 461
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(461)
 <223> n = A,T,C or G

<400> 324
 acctgtgtgg aatttcagct ttcctcatgc aaaaggattt tttatccccg gcctacttga 60
 agaagtggc agctaaaggatccagggttg ttggggac tttaatacc ttgtatgaaa 120
 agagttacta cgaatccat cttgggtcca gctatatacac tgacagcatg gttagaagact 180
 gcgAACCTCA cttcttagact ttcacgggtgg gacgaaacgg gttcagaaac tgccaggggc 240
 ctcatacagg gatataaaaa taccctttgt gctacccagg ccctggggaa tcaggtgact 300
 cacacaaatg caatagttgg tcactgcatt tttacctgaa ccaaagctaa acccggtgt 360
 gcccaccatgc accatggcat gccagagtgc aacactgtg ctctgaaaa ttgggtctga 420
 aaaaacgcac aagagccctt gccctgccct agctgangca c 461

<210> 325
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 325
 acactgtttc catgttatgt ttctacacat tgctacctca gtgctcctgg aaacttagct 60
 ttgtatgtct ccaagtagtc caccttcatt taactcttg aaactgtatc atcttgcca 120
 agtaagagtg gtggcctatt tcagctgctt tgacaaaatg actggctct gacttaacgt 180
 tctataaaatg aatgtgctga agcaaagtgc ccatggtggc ggcgaagaag agaaagatgt 240
 gttttgtttt ggactctctg tggcccttc caatgctgtg ggtttccaac caggggaagg 300
 gtcccttttgc cattgccaag tgccataacc atgagcacta cgctaccatg gttctgcctc 360
 ctggccaaagc aggtctggTTT gcaagaatga aatgaatgt 400

<210> 326
 <211> 1215
 <212> DNA
 <213> Homo sapien

<400> 326

ggaggactgc	agcccgca	cgcagccctg	gcaggcggca	ctggcatgg	aaaacgaatt	60
gttctgctcg	ggcgctc	tgcatccgca	gtgggtgctg	tcagccgcac	actgtttcca	120
gaactcctac	accatcg	ggcctgca	cagtcttgc	gccgaccaag	agccaggag	180
ccagatgg	gaggccag	tctccgtac	gcacccagag	tacaacagac	ccttgctc	240
taacgac	atgtcatca	agttggacga	atccgtgtcc	gagtcgtaca	ccatccgg	300
catcagcatt	gcttcg	gcccattaccgc	ggggactct	tgcctcg	ctggctgg	360
tctgctgg	acggcagaa	tgcctaccgt	gctgcagtgc	gtgaacgtgt	cgggtgg	420
tgaggag	tgca	tctatgaccc	gctgtaccac	cccagcatgt	tctgcgc	480
cgagg	gacc	actcctgca	cggtgactct	ggggggcccc	tgatctg	540
cgggtact	tgagg	tgtcttc	aaaagcccc	tgtggcca	ttggcgt	600
aggtgt	accac	gcaaattcac	tgagtggata	gagaaaacc	tccaggcc	660
ttaactct	ggact	ccatgaaat	tgaccc	atacatc	cggaaggaa	720
tcaggaat	at	ctgtccc	cccctc	ctcagg	ccccagcc	780
ctcctc	aaacca	aaaccaaggg	tacagatccc	cagccctcc	tccctcagac	840
agaccc	gccc	cctc	cctcagac	aggagtcc	ccctcctcc	900
ggagtcc	aga	ccc	cctc	cagacc	ggtccagg	960
cctcc	c	actc	actcagaggt	ccaagcccc	aaccctc	1020
ggtccc	agcc	cctc	cagacc	ggtcaatgc	cac	1080
acagtgc	ccc	ctt	cttggc	gttgc	acc	1140
cttccc	cta	gat	ccagaaa	taaagtctaa	gagaagc	1200
aaaaaaa	aaa	aaaa	aaaaaaa	aaaaaaa	aaaaaaa	1215

<210> 327

<211> 220

<212> PRT

<213> Homo sapien

<400> 327

Glu	Asp	Cys	Ser	Pro	His	Ser	Gln	Pro	Trp	Gln	Ala	Ala	Leu	Val	Met
1															15
Glu	Asn	Glu	Leu	Phe	Cys	Ser	Gly	Val	Leu	Val	His	Pro	Gln	Trp	Val
															20
Leu	Ser	Ala	Ala	His	Cys	Phe	Gln	Asn	Ser	Tyr	Thr	Ile	Gly	Leu	Gly
															35
Leu	His	Ser	Leu	Glu	Ala	Asp	Gln	Glu	Pro	Gly	Ser	Gln	Met	Val	Glu
															50
Ala	Ser	Leu	Ser	Val	Arg	His	Pro	Glu	Tyr	Asn	Arg	Pro	Leu	Leu	Ala
															65
Asn	Asp	Leu	Met	Leu	Ile	Lys	Leu	Asp	Glu	Ser	Val	Ser	Glu	Ser	Asp
															85
Thr	Ile	Arg	Ser	Ile	Ser	Ile	Ala	Ser	Gln	Cys	Pro	Thr	Ala	Gly	Asn
															100
Ser	Cys	Leu	Val	Ser	Gly	Trp	Gly	Leu	Leu	Ala	Asn	Gly	Arg	Met	Pro
															115
Thr	Val	Leu	Gln	Cys	Val	Asn	Val	Ser	Val	Val	Ser	Glu	Glu	Val	Cys
															130
Ser	Lys	Leu	Tyr	Asp	Pro	Leu	Tyr	His	Pro	Ser	Met	Phe	Cys	Ala	Gly
															145
Gly	Gly	Gln	Asp	Gln	Lys	Asp	Ser	Cys	Asn	Gly	Asp	Ser	Gly	Gly	Pro
															165
Leu	Ile	Cys	Asn	Gly	Tyr	Leu	Gln	Gly	Leu	Val	Ser	Phe	Gly	Lys	Ala
															180
Pro	Cys	Gly	Gln	Val	Gly	Val	Pro	Gly	Val	Tyr	Thr	Asn	Leu	Cys	Lys
															195
Phe	Thr	Glu	Trp	Ile	Glu	Lys	Thr	Val	Gln	Ala	Ser				

210

215

220

<210> 328
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 328

cgctcgcttc tggtagctgc agccaaatca taaacggcga ggactgcagc ccgcactcgc 60
 agccctggca ggccggcactg gtcatggaaa acgaattgtt ctgctcgggc gtcctggc 120
 atccgcagtg ggtgctgtca gccacacact gttccagaa ctcctacacc atcgggctgg 180
 gcctgcacag tcttgaggcc gaccaagagc cagggagcca gatggtggag gcca 234

<210> 329

<211> 77
 <212> PRT
 <213> Homo sapien

<400> 329

Leu Val Ser Gly Ser Cys Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser
 1 5 10 15
 Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu Leu
 20 25 30
 Phe Cys Ser Gly Val Leu Val His Prc Gln Trp Val Leu Ser Ala Thr
 35 40 45
 His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser Leu
 50 55 60
 Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala
 65 70 75

<210> 330

<211> 70

<212> DNA

<213> Homo sapien

<400> 330

cccaacacaa tggcccgatc ccatccctga ctccgcctc aggatcgctc gtctctggta 60
 gctgcagcca 70

<210> 331

<211> 22

<212> PRT

<213> Homo sapien

<400> 331

Gln His Asn Gly Pro Ile Pro Ser Leu Thr Pro Pro Ser Gly Ser Leu
 1 5 10 15
 Val Ser Gly Ser Cys Ser
 20

<210> 332

<211> 2507

<212> DNA

<213> Homo sapien

<400> 332

tgggccgct	gcagccggca	gagatggttg	agctcatgtt	cccgctgttgc	ctccctccccc	60
tgccttcct	tctgtatatg	gctgcgcccc	aaatcaggaa	aatgtgtcc	agtgggtgt	120
gtacatcaac	tgttcagctt	cctgggaaag	tagttgtgtt	cacaggagct	aatacaggta	180
tcgggaagga	gacagccaaa	gagctggctc	agagaggagc	tcgagtatat	ttagcttgc	240
gggatgtgga	aaagggggaa	ttggtgccca	aagagatcca	gaccacgaca	ggaaaccagc	300
aggtgttgg	gcggaaaactg	gacctgtctg	atactaagtc	tattcgagct	tttgcttaagg	360
gcttccttagc	tgagggaaaag	cacccacg	ttttgtatcaa	caatgcagga	gtgtatgt	420
gtccgtactc	gaagacagca	gatggctttg	agatgcacat	aggagtcaac	cacttgggtc	480
acttccttcct	aaccatctg	ctgctagaga	aactaaagga	atcagccccca	tcaaggatag	540
taaatgtgtc	ttccctcgca	catcacctgg	gaaggatcca	cttcataac	ctgcaggcg	600
agaaattcta	caatgcaggc	ctggctact	gtcacagcaa	gctagccaaac	atccctttca	660
cccaggaact	ggcccgagaa	ctaaaaggct	ctggcggtac	gacgtattct	gtacaccctg	720
gcacagtcca	atctgaactg	gttcggact	catctttcat	gagatggatg	ttgtggctt	780
tctcctttt	catcaagact	cctcagcagg	gagcccgagac	cagccctgcac	tgtgccttaa	840
cagaaggct	tgagattcta	agtggaaatc	atttcagtga	ctgtcatgtg	gcatgggtct	900
ctgcccAACG	tcgtaatgag	actatacgaa	ggccgctgtg	ggacgtcagt	tgtgacactgc	960
tgggcctccc	aatagactaa	cagggcgtgc	cagttggacc	caagagaaga	ctgcagcaga	1020
ctacacagta	cttcttgc	aatatgattct	ccttcataag	tttcaaaacc	tttagcaca	1080
agagagcaaa	accttccagc	cttgcctgt	ttgtgtccag	ttaaaactca	gtgtactg	1140
agattcgct	aatatgtctgt	catgtccaga	tttactttgc	ttctgttact	gccagagtt	1200
ctagagat	cataatagg	taagaagacc	ctcataatgac	ctgcacagct	cattttcctt	1260
ctgaaagaaa	ctactaccta	ggagaatcta	agctatacgca	gggatgattt	atgcaaaattt	1320
gaactagctt	ctttgttac	aattcagttc	ctcccaacca	accagtctt	acttcaagag	1380
ggccacactg	caacctcagc	ttaacatgaa	taacaaagac	tggctcagga	gcagggctt	1440
cccaggcatg	gtggatcacc	ggaggtcagt	agttcaagac	cagctggcc	aacatggta	1500
aaccccccac	ctactaaaaaa	ttgtgtat	ctttgtgt	cttcctgttt	atgtgtgcca	1560
agggagtatt	ttcacaaagt	tcaaaacagc	cacaataatc	agagatggag	caaaccagt	1620
ccatccagtc	tttatgc	aaaatgctg	caaaggaaag	cagattctgt	atatgttgg	1680
aactaccac	caagagcaca	tggtagcag	ggaagaagta	aaaaaaagaga	aggagaatac	1740
tggaaagataa	tgcacaaaat	gaagggacta	gttaaggatt	aactagccct	ttaaggatta	1800
actagttaa	gattaatagc	aaaagayatt	aaatatgcta	acatagctat	ggaggaattt	1860
agggcaagca	cccaggactg	atgaggtctt	aacaaaaacc	agtgtggca	aaaaaaaaaa	1920
aaaaaaaaaa	aaaatccta	aaaacaaaca	aacaaaaaaaaa	acaatttttc	attcagaaaa	1980
attatcttag	ggactgtat	tggtaattat	ggtcaattt	ataatatttt	ggggcattt	2040
cttacatgt	cttgacaaaga	ttaaaatgtc	tgtccaaaaa	ttttgttattt	tatttggaga	2100
cttcttatca	aaagtaatgc	tgcacaaagg	agtctaagg	attagtagt	ttcccatcac	2160
ttgtttggag	tgtgttattc	taaaagattt	tgatttcctg	gaatgacaat	tatattttaa	2220
ctttgttgggg	ggaaaagagtt	ataggaccac	agtcttact	tctgatactt	gtaaattaa	2280
cttttatgtc	acttgtttt	accattaagc	tatatgttta	gaaatggta	ttttacggaa	2340
aaattagaaa	aattctgtata	atagtgcaga	ataatgaat	taatgtttt	cttaatttat	2400
atgaaactgt	caatgacaaa	taaaaattct	ttttgattat	ttttgtttt	catttaccag	2460
aataaaaacg	taagaattaa	aagtttgatt	acaaaaaaaaa	aaaaaaa		2507

<210> 333

<211> 3030

<212> DNA

<213> Homo sapien

<400> 333

gcaggcgact	tgcgagctgg	gagcgattt	aaacgcttt	gattcccccg	gcctgggtgg	60
ggagagcgag	ctgggtgccc	cctagattcc	ccgcccccc	acctcatgag	ccgaccctcg	120
gctccatgga	gcccgcaat	tatgccac	tggatggagc	caaggatatc	gaaggcttgc	180
tgggagcggg	agggggggcg	aatctggcg	ccactcccc	tctgaccagc	caccagcg	240
cgcctacgct	gatgcctgt	gtcaactatg	ccccctt	tctgcccaggc	tggcgagc	300

cgccaaagca	atgccaccca	tgccctgggg	tgccccaggg	gacgtcccc	gctcccggtc	360
cttatggta	cttggaggc	gggtactact	cctgcccagt	gtcccgagc	tcgctgaaac	420
cctgtgcca	ggcagccacc	ctggcccggt	accccgcgga	gactcccacg	gccggggaaag	480
agtacccca	ycgccccact	gagtttgct	tctatccggg	atatccggg	acctaccacg	540
ctatggccag	ttacctggac	gtgtctgtgg	tgcagactct	gggtgctct	ggagaaccgc	600
gacatgactc	cctgtgcct	gtggacagtt	accagtctg	ggctctcgct	ggtggtctgga	660
acagccagat	gtgttgcag	ggagaacaga	acccaccagg	tccctttgg	aaggcagcat	720
ttgcagactc	cagcggggcag	caccctcctg	acgcctgcgc	ctttcgctgc	ggccgcaaga	780
aacgcattcc	gtacagcaag	gggcagttgc	gggagctgga	gcgggagttat	gcggctaaaca	840
agttcatcac	caaggacaag	aggcgaaga	tctcgccagc	caccagcctc	tcggagcgc	900
agattaccat	ctgtttcag	aaccgcggg	tcaaaagagaa	gaaggttctc	gccaagggtga	960
agaacagcgc	tacccttaa	gagatctcct	tgccctgggt	ggaggagcga	aagtgggggt	1020
gtcctggga	gaccaggaac	ctgccaagcc	caggctgggg	ccaaggactc	tgctgagagg	1080
cccctagaga	caacacccctt	cccaggccac	ttggctgtgg	actgttcctc	aggagcggcc	1140
tgggtaccca	gtatgtcag	ggagacggaa	ccccatgtga	cagcccaactc	caccagggtt	1200
cccaaagaac	ctggcccagt	cataatcatt	cattctgaca	gtggcaataa	tcacgataac	1260
cagtactagc	tgcctatgatc	gttagcctca	tatttctat	ctagagctct	gtagagcact	1320
ttagaaaccg	cttcatgaa	ttgagcta	tatgaataaa	tttgaaggc	gatcccttgc	1380
cagggaaagct	ttctctcaga	cccccttcca	ttacacctct	caccctggta	acagcaggaa	1440
gactgaggag	agggaaacgg	gcagattcgt	tgtgtggctg	tgtatgtccgt	ttagcatttt	1500
tctcagctga	cagctgggt	gttggacaat	tgttagaggt	gtctcttct	ccctccttgc	1560
ccacccata	gggtgtaccc	actggcttg	gaagcacc	tccttaatac	gatgatttt	1620
ctgtctgtg	aaaatgaagc	cagcaggctg	ccccatgtca	gtcccttcctt	ccagagaaaa	1680
agagatttg	gaaagtgcct	ggtaattca	ccattaattt	cctccccc	actctctgag	1740
tcttccctta	atatttctgg	tggttctgac	caaaggcagg	catgtttgt	tgagcatttg	1800
ggatcccagt	gaagttagatg	tttgttagct	tgcataactt	gccccttccca	ggcacaaacg	1860
gagtggcaga	gtgtgtccaa	ccctgtttc	ccagtcacg	tagacagatt	cacagtgggg	1920
zattctgaa	gctggagaca	gawgggtct	ttgcagagcc	gggactctga	gagggacatg	1980
agggcctctg	cctctgtgtt	zattctctga	tgtctgtac	ctgggctcag	tgcccgggtgg	2040
gactcatctc	ctggccgcgc	agcaaagcca	gccccgtcgt	gctgttcctt	cctgcaccc	2100
aggctgggg	tggggggcct	gccggcgc	tctccacat	tgagcgcaca	ggcctgaagt	2160
ctggacaacc	cgcagaaccc	aagctccgag	cagcgggtcg	gtggcgagta	gtggggtcg	2220
tggcgagcag	ttgttgggt	gccggggcc	ccactaccc	gaggacattt	ccctccccc	2280
gccagctctc	ctagaaaccc	cgcggccggcc	gccgcagcc	agtgtttatg	gccccgggtc	2340
gggtgggatc	ctagccctgt	ctcctctcct	gggaaggagt	gagggtggg	cgtgacttag	2400
acacctacaa	atctatttac	caaagaggag	cccggactg	agggaaaagg	ccaaagagtg	2460
tgagtcatg	cggactgggg	tttcagggg	agaggacag	gaggaggaag	atgaggtcga	2520
tttctgtatt	aaaaaatcg	tccaagcccc	gtggtccagc	ttaaggtct	cggttacatg	2580
cggcgctcag	agcaggtcac	tttctgtctt	ccacgtctc	cttcaaggaa	gccccatgtg	2640
ggtagcttc	aatatcgac	gttcttactc	ctctgcctct	ataagctaa	acccaccaac	2700
gatcgggca	gtaaaccccc	tccctcgcc	acttcggaa	tggcgaggt	tcagcgcaga	2760
tgggcctgt	gggagggggc	aagatagatg	agggggagcg	gcatggtgcg	gggtgacccc	2820
ttggagagag	aaaaaaggcc	acaagagggg	ctgccaccgc	caactaacgg	gatggccctg	2880
gtagagacct	ttgggggtct	ggaacctctg	gactccccat	gctctaactc	ccacactctg	2940
ctatcagaaa	cttaaacttg	aggattttct	ctgttttca	ctcgcaataa	aytcagagca	3000
aacaaaaaaaaa	aaaaaaaaaa	aaaactcgag				3030

<210> 334
 <211> 2417
 <212> DNA
 <213> Homo sapien

<400> 334

ggcggccgct	ctagagctag	tggatcccc	cgggctgcac	gaattcggca	cgagtggat	60
ggagtttac	ctgtattgtt	ttaatttcaa	caaggctgag	gactagccac	aaatgtaccc	120

agtttacaaa	tgaggaaaca	ggtgcaaaaa	ggttgttacc	tgtcaaagg	cgtatgtggc	180
agagccaaga	tttgagccca	gttatgtctg	atgaacttag	cctatgctct	ttaaacttct	240
gaatgctgac	cattgaggat	atctaaactt	agatcaattg	cattttccct	ccaagactat	300
ttacttatca	atacaataat	accacctta	ccaatctatt	gttttgatac	gagactcaaa	360
tatgccagat	atatgtaaaa	gcaacctaca	agctctctaa	tcatgctcac	ctaaaagatt	420
cccgatct	aataggctca	aagaaacttc	ttctagaaat	ataaaagaga	aaattggatt	480
atgcaaaaat	tcattattaa	ttttttcat	ccatcctta	attcagcaaa	catttatctg	540
tttgtgactt	tatgcagtat	ggcctttaa	ggattggggg	acaggtgaag	aacggggtgc	600
cagaatgcat	cctcctacta	atgaggctag	tacacattt	cattttaaaa	tgccctgtcc	660
agctgggcat	ggtgatcat	gcctgtatc	tcaacattt	aaggccaagg	caggaggatt	720
gcttcagccc	aggagttcaa	gaccagcctg	ggcaacatag	aaagacccc	tctctcaatc	780
aatcaatcaa	tgccctgtct	ttgaaaataa	aactctttaa	gaaaggttt	atgggcagg	840
tgtggtagct	catgcctata	atacagcact	ttgggaggt	gaggcaggag	gatcacttta	900
gcccagaagt	tcaagaccag	cctggcaac	aagtgcaccc	tcatctcaat	tttttataaa	960
aatgaataca	tacataagga	aagataaaaa	gaaaagttt	atgaaaagaat	acagtataaa	1020
acaaaatctt	tggacctaaa	agtattttt	ttcaagccaa	atattgtgaa	tcacctctct	1080
gtgttgagga	tacagaatat	ctaagcccag	aaaactgagc	agaaaagtca	tgtactaact	1140
aatcaacccg	aggaaggca	aaaatgagac	taactaatca	atccgaggca	aggggcaat	1200
tagacggAAC	ctgactctgg	tctattaagc	gacaacttc	cctctgttgt	atttttctt	1260
tattcaatgt	aaaaggataa	aaactctcta	aaactaaaaa	caatgtttt	caggagttac	1320
aaaccatgac	caactaatta	tgggaaatca	taaaatatga	ctgtatgaga	tcttgatggt	1380
ttacaaagt	tacccactgt	taatcacttt	aaacattaaat	gaacttaaaa	atgaatttac	1440
ggagatttgg	atgtttttt	cctgttgtat	tagttggctc	aggctgccc	aacaaaatac	1500
cacagactgg	gaggcttaag	taacagaaat	tcatttctca	cagttctggg	ggcttggaaagt	1560
ccacgatcaa	ggtgcaggaa	aggcaggctt	cattctgagg	ccccctcttt	ggctcacatg	1620
tggccaccc	cccaactgcgt	gctcacatga	ccttttgtg	ctcctggaaa	gagggtgtgg	1680
gggacagagg	gaaagagaag	gagagggaaac	tctctgttgc	ctcgctttc	aaggacccta	1740
acctggggca	cttggccca	ggcactgtgg	ggtgggggggt	tgtggctgct	ctgctctgag	1800
tggccaagat	aaagcaacag	aaaaatgtcc	aaagctgtgc	agcaaaagaca	agccaccgaa	1860
cagggatctg	ctcatcagt	tggggacctc	caagtcggcc	ccccctggagg	caagccccca	1920
cagagcccat	gcaaggtggc	agcagcagaa	gaagggaaatt	gtccctgtcc	ttggcacatt	1980
cctcaccgac	ctggtgatgc	tggacactgc	gatgaatgtt	aatgtggatg	agaatatgt	2040
ggactcccg	aaaaggagac	ccagctgctc	aggtggctgc	aaatcattac	agccttcatc	2100
ctggggagga	actggggggc	tggttctggg	ttagagagca	gcccaagttag	ggtgagagct	2160
acagccgtc	ctgccagctg	gatccccagt	cccggtcaac	cagtaatcaa	ggctgagcag	2220
atcaggctc	ccggagctgg	tcttggaaag	ccagccctgg	ggtgagttgg	ctccctgtgt	2280
ggtactgaga	caatattgtc	ataaattcaa	tgcgccttgc	tatccctttt	tctttttat	2340
ctgtctacat	ctataatcac	tatgcatact	agtctttt	agtgtttcta	ttcmacttaa	2400
tagagatatg	ttataact					2417

<210> 335
 <211> 2984
 <212> DNA
 <213> Homo sapien

<400> 335						
atccctcctt	ccccactctc	ctttccagaa	ggcacttggg	gtcttatctg	ttggactctg	60
aaaacacttc	aggcgccctt	ccaaggcttc	cccaaacccc	taagcagccg	cagaagcgct	120
cccgagctc	cttctccac	actcaggtga	tgcagttgga	gaggaagttc	agccatcaga	180
agtacctgtc	ggccccctgaa	cggcccccacc	tggccaagaa	cctcaagctc	acggagaccc	240
aagtgaagat	atgttccag	aacagacgct	ataagactaa	gcgaaagcag	ctctcctcg	300
agctgggaga	cttggagaag	caactcctt	tgcgccttgc	gaaagaggag	gccttctccc	360
gggcctccct	ggtctccgtg	tataacagct	atccttacta	cccatacctg	tactgcgtgg	420
gcagctggag	cccagctttt	tggtaatgcc	agctcaggtg	acaaccatta	tgatcaaaaa	480
ctgccttccc	cagggtgtct	ctatgaaaag	cacaaggggc	caaggtcagg	gagcaagagg	540

tgtgcacacc	aaagctattg	gagatttgcg	tggaaatctc	asattcttca	ctggtgagac	600
aatgaaacaa	cagagacagt	gaaagttta	atacctaagt	cattcccca	gtgcatactg	660
taggtcattt	ttttgcctc	tggctacctg	tttgaagggg	agagagggaa	aatcaagtgg	720
tatttccag	cacttgtat	gatttggat	gagctgtaca	cccaaggatt	ctgttctgca	780
actccatcct	cctgtgtcac	tgaatatcaa	ctctgaaaga	gcaaacctaa	caggagaaag	840
gacaaccagg	atgaggatgt	caccaactga	attaaactta	agtccagaag	cctcctgttg	900
gccttggaaat	atggccaagg	ctctctgt	ccctgtaaaa	gagagggca	aatagagagt	960
ctccaagaga	acgcctcat	gctcagcaca	tatttgcatg	ggagggggag	atgggtggga	1020
ggagatgaaa	atatcagctt	ttcttattcc	tttttattcc	ttttaaaatg	gtatgccaac	1080
ttaagtattt	acagggtggc	ccaaatagaa	caagatgcac	tcgctgtat	tttaagacaa	1140
gctgtataaa	cagaactcca	ctgcaagagg	gggggcccggg	ccagagaaat	ctccgcttgt	1200
ccaagacagg	ggcctaagga	gggtctccac	actgctgcta	ggggctgttg	cattttttta	1260
ttagtagaaa	gtgaaaggc	cttctctcaa	ctttttccc	ttggctgga	gaatttagaa	1320
tcagaagttt	cctggagttt	tcaggetatc	atataactg	tatctgaaa	ggcaacataa	1380
ttcttccttc	cctcccttta	aaattttgtg	ttccttttg	cagcaattac	tcactaaagg	1440
gttcatttt	agtccagatt	tttagtctgg	ctgcacctaa	cttatgcctc	gcttatttag	1500
cccgagatct	ggtctttttt	ttttttttt	ttttccgtc	tcccaaagc	tttatctgtc	1560
ttgactttt	aaaaaagttt	ggggcagat	tctgaatttg	ctaaaagaca	tgcatttta	1620
aaactagcaa	ctcttatttc	tttcctttaa	aaatacatag	cattaaatcc	caaattctat	1680
ttaaagacct	gacagcttga	gaaggtcaact	actgcattta	taggaccttc	ttgtggttct	1740
gctgtacgt	ttgaagtcgt	acaatccttgc	agaatcttgc	catgcagagg	aggtaaaggagg	1800
tattggattt	tcacagagga	agaacacacgc	gcagaatgaa	gggcaggct	tactgagctg	1860
tccagtggag	ggctcatggg	tggacatgg	aaaagaaggc	agcctaggcc	ctggggagcc	1920
cagtccactg	agcaagcaag	ggactgagtg	agccttttgc	aggaaaaggc	taagaaaaaag	1980
gaaaaccatt	ctaaaacaca	acaagaaaact	gtccaaatgc	tttggaaact	gtgttatttg	2040
cctataatgg	gtccccaaaa	tggtaacct	agacttcaga	gagaatgagc	agagagcaaa	2100
ggagaaatct	ggctgtcctt	ccattttcat	tctgttatct	caggtgagct	ggtagaggggg	2160
agacattaga	aaaaaattgaa	acaacaaaac	aattactaat	gaggtacgct	gaggccttgg	2220
agtctctga	ctccactact	taattccgtt	tagtgagaaa	catttcaatt	tttttttatt	2280
agaagggcca	gctactgtt	ggtggcaaaa	ttgccaacat	aagttaatag	aaagttggcc	2340
aatttcaccc	catttctgt	ggtttgggct	ccacattgca	atgttcaatg	ccacgtgtc	2400
ctgacacccga	ccggagactact	agccagcaca	aaaggcaggg	tagctgaat	tgctttctgc	2460
tctttacatt	tctttaaaaa	taagcatta	gtgctcagtc	cctactgagt	actctttctc	2520
tcccctctc	tgaatttaat	tcttcaact	tgcaatttgc	aaggattaca	catttcaactg	2580
tgatgtatat	tgttttgcaa	aaaaaaaaaa	aagtgtctt	gtttaaaatt	acttggtttg	2640
tgaatccatc	ttgttttttc	cccattggaa	ctagtcatta	accatctct	gaactggtag	2700
aaaaacatct	gaagagctag	tctatcagca	tctgacaggt	gaattggatg	gttctcagaa	2760
ccatttcacc	cagacagcct	gtttctatcc	tgttaataaa	attagttgg	gttctctaca	2820
tgcataacaa	accctgtcc	aatctgtcac	ataaaaagtct	gtgacttgaa	gttttagtcag	2880
caccccccacc	aaactttattt	tttctatgtg	tttttgcaa	catatgagtg	ttttgaaaat	2940
aaagtaccca	tgtctttattt	aaaaaaaaaa	aaaaaaaaaa	aaaa		2984

<210> 336
 <211> 147
 <212> PRT
 <213> Homo sapien

<400> 336

Pro	Ser	Phe	Pro	Thr	Leu	Leu	Ser	Arg	Arg	His	Leu	Gly	Ser	Tyr	Leu
1				5				10						15	
Leu	Asp	Ser	Glu	Asn	Thr	Ser	Gly	Ala	Leu	Pro	Arg	Leu	Pro	Gln	Thr
				20				25						30	
Pro	Lys	Gln	Pro	Gln	Lys	Arg	Ser	Arg	Ala	Ala	Phe	Ser	His	Thr	Gln
				35				40						45	
Val	Ile	Glu	Leu	Glu	Arg	Lys	Phe	Ser	His	Gln	Lys	Tyr	Leu	Ser	Ala

50	55	60
Pro Glu Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln		
65	70	75
Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln		80
85	90	95
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala		
100	105	110
Leu Lys Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn		
115	120	125
Ser Tyr Pro Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser Pro		
130	135	140
Ala Phe Trp		
145		

<210> 337

<211> 9

<212> PRT

<213> Homo sapien

<400> 337

Ala Leu Thr Gly Phe Thr Phe Ser Ala	
1	5

<210> 338

<211> 9

<212> PRT

<213> Homo sapien

<400> 338

Leu Leu Ala Asn Asp Leu Met Leu Ile	
1	5